



# SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT DI INDONESIA TAHUN 2018



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PERHIMPUNAN DOKTER SPESIALIS PATOLOGI KLINIK DAN  
KEDOKTERAN LABORATORIUM INDONESIA  
2019



**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
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**PERHIMPUNAN DOKTER SPESIALIS PATOLOGI KLINIK  
DAN KEDOKTERAN LABORATORIUM INDONESIA**  
**2019**

**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP ANTIBIOTIK  
BERDASARKAN TIPE RUMAH SAKIT DI INDONESIA TAHUN 2018**

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Hak cipta dilindungi undang – undang. Dilarang mengutip atau memperbanyak sebagian atau seluruh isi buku tanpa izin tertulis dari penerbit.

**KATA SAMBUTAN KETUA PERHIMPUNAN DOKTER SPESIALIS PATOLOGI  
KLINIK DAN KEDOKTERAN LABORATORIUM INDONESIA**

Salam PDS PatKLIn,

Syukur alhamdulillah, berkat kerja keras dan upaya berkesinambungan, POKJA INFEKSI PDS PatKLIn telah berhasil melanjutkan pembuatan buku ‘Surveilans Mikroba dan Kepekaannya terhadap Antibiotik berdasarkan tipe Rumah Sakit’ untuk tahun 2018.

Surveilans merupakan kegiatan penting dalam memonitor naik turunnya angka mikroba resisten antibiotik. PDS PatKLIn berupaya mendukung pemerintah dalam menurunkan angka ‘*Antimicrobial Resistant*’ (AMR) di Indonesia dengan melakukan surveilans antibiogram dari berbagai tipe rumah sakit di beberapa kota besar di Indonesia. Hal ini karena kami menyadari, bila tidak dimulai dari sekarang, kita akan memasuki ‘*post antibiotic era*’ dan pada tahun 2050 akan ada satu orang setiap tiga detik meninggal karena AMR.

Kami ucapkan terimakasih kepada para sejawat dari berbagai laboratorium rumah sakit di seluruh Indonesia yang telah berkontribusi mengumpulkan data. Kami harapkan pada tahun tahun mendatang lebih banyak lagi sejawat yang aktif terlibat dalam surveilans ini.

Semoga buku ‘Surveilans Mikroba dan Kepekaannya terhadap Antibiotik berdasarkan tipe Rumah Sakit Tahun 2018’ dapat membantu memberikan gambaran keadaan AMR di Indonesia pada saat ini, dan menjadi acuan kita untuk menanggulanginya.

Terimakasih.

Ketua Pengurus Pusat  
Perhimpunan Dokter Spesialis Patologi Klinik dan  
Kedokteran Laboratorium Indonesia,

**Prof. Dr. Ida Parwati, dr., SpPK(K), PhD.**



## **KATA PENGANTAR**

Buku surveilans mikroba dan kepekaan terhadap berbagai antibiotik merupakan laporan pemetaan mikroba yang berhasil diisolasi dari bahan klinik pasien di rumah sakit selama periode tertentu, yang diperlukan untuk mendukung monitoring resistensi antibiotik.

Pada buku ini terpetakan mikroba terbanyak hingga gambaran persentasi kepekaan antibiotik tertentu, yang dipisahkan berdasarkan jenis bahan pemeriksaan/spesimen dan ruang perawatan asal pengiriman bahan pemeriksaan tersebut.

Penyusunan buku ini mengadaptasi format penyusunan yang direkomendasikan berdasarkan Modul Workshop Implementasi PPRA di Rumah Sakit yang diterbitkan oleh Komite Pengendalian Resistensi Antimikroba Direktorat Jendral Pelayanan Kesehatan Kementerian Kesehatan Republik Indonesia Tahun 2016 dan Permenkes Republik Indonesia Nomor 8 Tahun 2015 Tentang Pedoman Program Pengendalian Resistensi Antimikroba di Rumah Sakit. Pengolahan data menggunakan perangkat lunak yang telah ditetapkan oleh *World Health Organization* (WHO), yaitu peranti lunak WHONET.

Laporan dalam buku surveilans ini diharapkan dapat menjadi informasi terkini situasi resistensi mikroba terhadap antibiotik di Indonesia pada umumnya, dan berbagai tipe Rumah Sakit pada khususnya.

Semoga buku ini dapat bermanfaat bagi banyak pihak, walaupun masih banyak keterbatasan terkait keterbatasan sumber data buku ini. Kritik dan saran yang membangun untuk penyempurnaan buku ini sangat diharapkan.

Bandung, Desember 2019

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KATA SAMBUTAN KETUA PERHIMPUNAN DOKTER SPESIALIS PATOLOGI KLINIK DAN KEDOKTERAN LABORATORIUM INDONESIA .....	3
KATA PENGANTAR .....	4
DAFTAR KONTRIBUTOR .....	5
DAFTAR ISI.....	6
PENDAHULUAN .....	7
LATAR BELAKANG .....	7
TUJUAN.....	8
METODE SURVEILANS.....	8
POPULASI DAN PENGUMPULAN DATA.....	8
KRITERIA DATA.....	8
ANALISIS DATA.....	9
KETERBATASAN DATA .....	9
DEMOGRAFIS SURVEILANS.....	10
DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM NEGATIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE A TAHUN 2018 .....	12
DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM POSITIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE A TAHUN 2018 .....	40
DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM NEGATIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE B TAHUN 2018 .....	61
DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM POSITIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE B TAHUN 2018 .....	80
DATA UJI KEPEKAAN ANTIBIOTIK DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DAN SIFAT BAKTERI (GRAM POSITIF & GRAM NEGATIF) DI RUMAH SAKIT TIPE C TAHUN 2018 .....	99
DAFTAR PUSTAKA .....	104



# PENDAHULUAN

**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



## **BAB I**

### **PENDAHULUAN**

#### **LATAR BELAKANG**

Resistensi antibiotik merupakan masalah global yang saat ini dihadapi dalam dunia kesehatan (1,2). Pelaporan antibiogram di RS disusun secara periodik dan berdasarkan PMK No.8 tahun 2015 tentang Program Pengendalian Resistensi Antimikroba (PPRA) di Rumah Sakit merupakan salah satu wujud usaha untuk mendapatkan situasi terkini dalam era resistensi antibiotik. Standar Akreditasi Nasional Rumah Sakit (SNARS 2017) juga mewajibkan setiap rumah sakit menyusun antibiogramnya sebagai salah satu elemen penilaian pada standar PPRA (kelompok standar Program Nasional). Keberadaan antibiogram rumah sakit selanjutnya diperlukan untuk dasar pertimbangan penyusunan Panduan Penggunaan Antibiotik Empirik di masing – masing Rumah Sakit pembuatnya (3).

Banyak RS besar, khususnya RS vertikal di Indonesia, telah melakukan pelayanan laboratorium mikrobiologi dengan standar terbaik sesuai standar panduan internasional (CLSI, EUCAST) maupun Nasional (Kementerian Kesehatan). Penyusunan pola mikroba dan antibiogram rumah sakit, dengan demikian dapat dikembangkan maksimal sesuai panduan terbaik maupun kebutuhan Tim PPRA pada rumah sakit setempat. Sebagian rumah sakit lainnya, yaitu rumah sakit tipe-B dan tipe-C yang tersebar di berbagai wilayah dan kepulauan di Indonesia (lebih dari 2000 rumah sakit di seluruh Indonesia) juga memberikan pelayanan laboratorium mikrobiologi pada tingkat yang bervariasi menggunakan metode sesuai ketersediaan sumber daya, khususnya fasilitas (peralatan, bahan habis pakai dan ruang pemeriksaan). Sumber daya manusia Spesialis Patologi Klinik (SpPK) yang memiliki kompetensi kedokteran laboratorium menyeluruh, termasuk pelayanan laboratorium mikrobiologi, sampai dengan saat ini tersebar di berbagai Rumah Sakit Kabupaten atau Kota di seluruh Indonesia, memiliki data pola mikroba dan antibiogram setempat sesuai ketersediaan sumber daya spesifiknya. Situasi saat ini yang ditemukan adalah keterbatasan antibiogram pada rumah sakit setempat, selain dikarenakan ketersediaan fasilitas laboratorium mikrobiologi yang minimal juga karena jumlah pemeriksaan yang masih rendah sehingga jumlah isolat yang diuji kepekaan terhadap antibiotik tertentu pada satu periode pelaporan tidak cukup representatif.

Pada saat ini belum tersedia data periodik pola mikroba (bakteri) dan antibiogram secara regional atau nasional, berbasis tipe rumah sakit, sebagai data epidemiologi resistensi mikroba di Indonesia maupun untuk menjadi rujukan bagi rumah sakit yang masih mengalami berbagai keterbatasan. Data pola mikroba dan antibiogram yang disusun para profesional pada pelayanan mikrobiologi klinik di berbagai RS di Indonesia potensial untuk dистандаризованы и direkapitulasi sebagai sumbangsih Perhimpunan Dokter Spesialis Patologi Klinik dan Kedokteran Laboratorium Indonesia (PDS PatKLIn) kepada para Pemangku Kepentingan di tingkat Nasional, diharapkan merupakan bagian dari bahan yang dapat menjadi dasar pertimbangan dalam Program Pengendalian Resistensi Antimikroba beserta monitoring dan evaluasinya.

## **TUJUAN**

Menyajikan laporan pola mikroba dan kepekaan terhadap antibiotik di berbagai tipe rumah sakit di Indonesia tahun 2018 berdasarkan rekapitulasi data yang terhimpun pada sistem manajemen data Pokja Infeksi Perhimpunan Dokter Spesialis Patologi Klinik & Kedokteran Laboratorium Indonesia (PDS PatKLIn)

## **METODE SURVEILANS**

### **POPULASI DAN PENGUMPULAN DATA**

Populasi data dalam surveilans adalah data rutin pelayanan mikrobiologi klinik yang dilaksanakan di berbagai tipe rumah sakit (pemerintah dan swasta) di wilayah Indonesia. Adapun proses persetujuan pengiriman data dari masing – masing rumah sakit yang berkontribusi mengikuti surat persetujuan etik oleh Komite Etik Penelitian Kesehatan RSUP Dr. Hasan Sadikin Bandung No.LB.04.01/A05/EC/374/XII/2016. Rumah sakit yang telah menyetujui keikutsertaannya didaftarkan sebagai kontributor data dan diberikan akses untuk mengirimkan datanya pada sistem manajemen data surveilans resistensi antibiotik, yang dikelola oleh PDS PatKLIn ([www.forlabinfeksi.or.id](http://www.forlabinfeksi.or.id)). Laboratorium rumah sakit yang berkontribusi diwajibkan mengakses website [forlabinfeksi.or.id](http://www.forlabinfeksi.or.id) untuk mengunduh protokol pengisian dan pengiriman data, serta formulir pelaporan dalam bentuk Excel *worksheet* yang telah dipersiapkan.

Data rutin pelayanan mikrobiologi klinik yang dikumpulkan merupakan data agregat hasil identifikasi dan uji kepekaan yang dilakukan di rumah sakit setempat selama periode 2018. Data agregat diunggah dalam sistem manajemen data surveilans resistensi antibiotik (forlab infeksi). Identitas rumah sakit dikelompokkan oleh sistem berdasarkan tipe RS dan wilayah. Agregasi dan analisis data bersifat anonimus, sehingga identitas rumah sakit hanya tersimpan di sistem manajemen data yang bersifat rahasia dan digunakan bila dibutuhkan untuk konfirmasi validitas terhadap data yang dikirimkan.

Data yang dikumpulkan dilakukan skrining untuk kelengkapan pengisian sesuai dengan protokol yang telah disampaikan. Bila ditemukan data yang perlu dilengkapi, maka akan dilakukan konfirmasi terhadap pengirim data. Seluruh data yang telah dikonfirmasi untuk kelengkapan dan keseragaman pengisian memasuki tahap selanjutnya yaitu konversi menjadi database dengan menggunakan piranti lunak *BacLink* dan kemudian dilakukan analisis dengan menggunakan aplikasi WHONET.

## **KRITERIA DATA**

Data yang dikirimkan diwajibkan memenuhi kriteria sebagai berikut (4–6):

1. Hasil pemeriksaan kultur dan uji kepekaan antibiotik pasien suspek/klinis infeksi yang telah diverifikasi oleh laboratorium rumah sakit pelaksana (*valid result*)
2. Mikroba dipertimbangkan sebagai patogen penyebab infeksi (*verified microorganism*)
3. Mikroba yang diidentifikasi diperoleh dengan metode identifikasi manual (biokimiawi) atau otomatis (kolorimetri); dan tidak berdasarkan identifikasi presuntif dari koloni.

4. Teknik metode pemeriksaan uji kepekaan:
  - a. *Disc diffusion* dengan standar pelaksanaan berdasarkan rekomendasi WHO (7).
  - b. *Minimum Inhibitory Concentration (MIC)* dengan alat uji otomatis, dengan syarat hasil identifikasi dan uji kepekaan:
    - i. Probabilitas identifikasi tinggi ( $\geq 80\%$ )
    - ii. Hasil uji kepekaan antibiotik menunjukkan kesimpulan: *consistent*

## ANALISIS DATA

Analisis data dilakukan dengan piranti lunak WHONET mengikuti protokol penggunaan yang tersedia ([www.whonet.org](http://www.whonet.org)). Dalam program tersebut, data dianalisis dengan mengikuti kategorisasi sebagai berikut:

1. Berdasarkan kelompok sifat Gram dari bakteri, yaitu bakteri Gram positif dan bakteri Gram negatif
2. Berdasarkan tipe rumah sakit, yaitu: RS Tipe-A, RS Tipe-B dan RS Tipe-C.
3. Berdasarkan lokasi/ruang perawatan pasien, laporan dibagi menjadi: ruang perawatan intensif dan ruang perawatan non intensif.
4. Berdasarkan bahan pemeriksaan, laporan dibagi menjadi bahan darah, sputum, urine, feses, pus/abses, swab luka/kulit, cairan tubuh, dan cairan serebrospinal.

Persentase kepekaan (%S) didefinisikan sebagai persentase jumlah isolat yang peka terhadap antibiotik tertentu yang diuji terhadap jumlah isolat positif yang dikelompokkan berdasarkan tipe rumah sakit. Prinsip pelaporan data mengikuti rekomendasi dari dokumen CLSI-M39 (6) dan dokumen WHO-GLASS (4).

Data surveilans dan kepekaan antibiotik disajikan dalam bentuk tabel, yang tersusun dari variabel: nama bakteri, jumlah isolat, nama antibiotik yang diujikan serta persen kepekaan.

## KETERBATASAN DATA

1. Representasi kontributor.
2. Jumlah isolat positif saja yang dikirimkan sebagai data agregat, sehingga data yang disajikan menggambarkan proposi kepekaan pada isolat positif yang ditemukan di berbagai tipe rumah sakit.
3. Keterbatasan informasi pendukung dari data yang terkumpul (misal lokasi, usia) untuk setiap tipe rumah sakit, sehingga analisis yang disajikan belum dapat dikategorikan lebih spesifik terhadap satu populasi.



# **DEMOGRAFIS SURVEILANS**



**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



## **BAB II** **DEMOGRAFIS SURVEILANS**

Selama periode pengumpulan data agregat laboratorium, terdapat 41 laboratorium rumah sakit yang ikut serta mengunggah data dalam sistem manajemen data forlabinfeksi. Rumah sakit vertikal Kementerian Kesehatan Indonesia atau Tipe-A berjumlah 7 rumah sakit; rumah sakit regional (rumah sakit umum daerah/swasta tipe-B) berjumlah 27 rumah sakit, sedangkan rumah sakit tipe-C berjumlah 7 rumah sakit. Distribusi lokasi laboratorium rumah sakit yang berkontribusi dalam penyusunan data buku ini ditampilkan pada Gambar 1.



**Gambar 1. Distribusi Laboratorium Rumah Sakit yang Berkontribusi dalam Data Surveilans.**

Data isolat yang terkumpul dari 41 laboratorium rumah sakit yang berkontribusi dari seluruh wilayah Indonesia adalah 61777 isolat, dengan persentase terbanyak adalah spesimen sputum. Spesimen sputum merupakan spesimen terbanyak pada rumah sakit tipe-A (32.5%) dan tipe-B (32.1%), sedangkan pada rumah sakit tipe-C, spesimen pus merupakan spesimen terbanyak. Mayoritas isolat berasal dari kelompok usia dewasa (76.2%). Tabulasi jumlah isolat terhadap jenis spesimen dan kelompok usia ditunjukkan pada Tabel 1.

**Tabel 1. Jumlah isolat berdasarkan tipe rumah sakit terhadap jenis spesimen dan kelompok usia**

Variabel	Jumlah Isolat per Rumah Sakit						Total Isolat	
	Tipe-A (n=44120)		Tipe-B (n=17175)		Tipe-C (n=482)		n	%
	n	%	n	%	n	%		
<b>Jenis Spesimen</b>								
Darah	5256	11.9	2700	15.7	97	20.1	8053	13.0
Sputum	14330	32.5	5511	32.1	108	22.4	19949	32.3
Urine	10680	24.2	2943	17.1	29	6.0	13652	22.1
Pus	4778	10.8	3782	22.0	166	34.4	8726	14.1
Cairan serebrospinal	331	0.8	60	0.3	0	0.0	391	0.6
Apus/Swab	4191	9.5	1100	6.4	68	14.1	5359	8.7
Feses	1354	3.1	149	0.9	1	0.2	1504	2.4
Cairan tubuh	1019	2.3	248	1.4	12	2.5	1279	2.1
Jaringan	0	0.0	158	0.9	0	0.0	158	0.3
Lain - lain	2179	4.9	521	3.0	1	0.2	2701	4.4
Tidak ada informasi	2	0.0	3	0.0	0	0.0	5	0.0
<b>Kelompok usia</b>								
Anak – anak	12291	27.9	2385	13.9	25	5.2	14701	23.8
Dewasa	31829	72.1	14765	86.0	457	94.8	47051	76.2
Tidak ada informasi	0	0.0	25	0.1	0	0.0	25	0.0

**DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI  
GRAM NEGATIF DARI BERBAGAI SPESIMEN  
BERDASARKAN KATEGORI RUANG PERAWATAN DI  
RUMAH SAKIT TIPE A**



**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



### BAB III

## DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM NEGATIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE A TAHUN 2018

### I. RUANG RAWAT JALAN

#### A. SPESIMEN DARAH

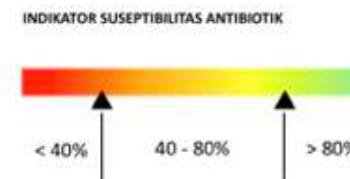
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S	CRO %S
1	<i>Klebsiella pneumoniae</i>	77	63	23	0	30	16	23	12	18	23
2	<i>Escherichia coli</i>	70	80	61	20	58	49	53	30	49	41
3	<i>Pseudomonas aeruginosa</i>	55	70	0	0	3	58	74	0	74	5
4	<i>Acinetobacter anitratus</i>	19	41	28	-	36	8	19	11	25	19
5	<i>Enterobacter cloacae</i>	17	94	6	0	20	40	33	38	40	53
6	<i>Klebsiella oxytoca</i>	16	79	62	-	67	58	62	44	54	60
7	<i>Acinetobacter lwoffii</i>	13	62	50	50	50	38	30	18	46	27
8	<i>Burkholderia cepacia</i>	11	9	0	50	14	0	18	0	100	11

No	Bakteri	N	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Klebsiella pneumoniae</i>	77	52	32	71	100	100	-	36	0	63
2	<i>Escherichia coli</i>	70	69	47	91	50	100	-	61	100	62
3	<i>Pseudomonas aeruginosa</i>	55	12	64	64	0	100	50	69	67	67
4	<i>Acinetobacter anitratus</i>	19	18	29	47	-	-	-	27	-	28
5	<i>Enterobacter cloacae</i>	17	71	67	78	100	100	-	81	100	100
6	<i>Klebsiella oxytoca</i>	16	92	54	82	-	-	-	79	-	53
7	<i>Acinetobacter lwoffii</i>	13	56	50	82	100	-	0	46	50	91
8	<i>Burkholderia cepacia</i>	11	88	20	12	-	-	100	10	-	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	77	64	23	45	33	49
2	<i>Escherichia coli</i>	70	92	68	48	79	46
3	<i>Pseudomonas aeruginosa</i>	55	70	65	10	8	12
4	<i>Acinetobacter anitratus</i>	19	56	25	13	32	43
5	<i>Enterobacter cloacae</i>	17	88	43	40	47	75
6	<i>Klebsiella oxytoca</i>	16	87	56	50	88	60
7	<i>Acinetobacter lwoffii</i>	13	90	100	60	100	78
8	<i>Burkholderia cepacia</i>	11	22	50	11	89	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik



## B. SPESIMEN URINE

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S	CRO %S
1	<i>Escherichia coli</i>	1218	79	45	12	48	41	44	29	40	39
2	<i>Klebsiella pneumoniae</i>	536	77	38	0	42	37	43	26	34	33
3	<i>Klebsiella oxytoca</i>	259	83	51	0	52	38	42	29	36	40
4	<i>Pseudomonas aeruginosa</i>	235	80	1	0	2	39	75	1	73	4
5	<i>Acinetobacter anitratus</i>	120	81	30	-	62	11	34	11	33	10
6	<i>Proteus vulgaris</i>	114	91	23	0	52	80	75	52	67	68
7	<i>Acinetobacter lwoffii</i>	94	64	69	0	69	10	29	23	34	16
8	<i>Proteus mirabilis</i>	94	95	69	25	74	83	70	70	70	75
9	<i>Enterobacter cloacae</i>	74	93	16	0	36	46	55	23	42	38
10	<i>Citrobacter freundii</i>	23	83	5	0	30	27	29	32	31	33
11	<i>Klebsiella aerogenes</i>	22	81	40	0	67	50	50	36	22	38
12	<i>Acinetobacter sp.</i>	18	57	57	-	57	33	43	29	43	43
13	<i>Burkholderia cepacia</i>	18	17	29	0	0	20	82	0	100	0
14	<i>Acinetobacter baumannii</i>	17	100	29	0	0	17	60	0	35	6
15	<i>Enterobacter sp.</i>	17	92	25	-	50	62	64	21	50	54

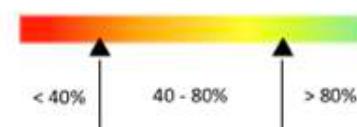
No	Bakteri	N	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Escherichia coli</i>	1218	61	46	98	44	94	86	71	98	54
2	<i>Klebsiella pneumoniae</i>	536	58	45	83	38	79	72	62	83	62
3	<i>Klebsiella oxytoca</i>	259	60	41	100	100	-	87	70	100	50
4	<i>Pseudomonas aeruginosa</i>	235	3	69	93	0	0	51	71	47	78
5	<i>Acinetobacter anitratus</i>	120	25	53	-	-	-	33	72	-	66
6	<i>Proteus vulgaris</i>	114	32	71	-	-	-	39	78	-	81
7	<i>Acinetobacter lwoffii</i>	94	49	67	-	-	-	36	73	-	82
8	<i>Proteus mirabilis</i>	94	36	67	0	0	80	78	79	25	81
9	<i>Enterobacter cloacae</i>	74	52	59	67	-	57	68	76	67	79
10	<i>Citrobacter freundii</i>	23	44	31	100	-	67	73	82	100	62
11	<i>Klebsiella aerogenes</i>	22	100	78	75	67	50	79	69	50	73
12	<i>Acinetobacter sp.</i>	18	29	43	-	-	-	43	71	-	86
13	<i>Burkholderia cepacia</i>	18	0	36	0	100	0	0	12	0	71
14	<i>Acinetobacter baumannii</i>	17	-	60	43	-	-	-	65	57	29

No	Bakteri	N	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S	IPM %S	LVX %S
15	<i>Enterobacter sp.</i>	17	62	60	-	-	-	88	73	-	67

No	Bakteri	N	MEM %S	NIT %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	1218	90	72	62	35	76	36
2	<i>Klebsiella pneumoniae</i>	536	74	34	44	46	41	47
3	<i>Klebsiella oxytoca</i>	259	91	71	62	36	72	31
4	<i>Pseudomonas aeruginosa</i>	235	80	1	76	8	9	8
5	<i>Acinetobacter anitratus</i>	120	78	2	54	51	48	38
6	<i>Proteus vulgaris</i>	114	75	14	78	16	59	43
7	<i>Acinetobacter lwoffii</i>	94	76	16	61	65	66	53
8	<i>Proteus mirabilis</i>	94	74	8	82	8	55	48
9	<i>Enterobacter cloacae</i>	74	80	26	50	48	45	61
10	<i>Citrobacter freundii</i>	23	76	50	58	42	62	46
11	<i>Klebsiella aerogenes</i>	22	75	50	25	67	44	78
12	<i>Acinetobacter sp.</i>	18	86	14	50	33	86	100
13	<i>Burkholderia cepacia</i>	18	38	17	23	33	83	25
14	<i>Acinetobacter baumannii</i>	17	82	17	64	-	100	60
15	<i>Enterobacter sp.</i>	17	73	31	33	36	44	50

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



### C. SPESIMEN SPUTUM

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S	CRO %S
1	<i>Klebsiella pneumoniae</i>	642	83	56	0	61	57	52	42	55	54
2	<i>Pseudomonas aeruginosa</i>	287	77	1	0	0	51	81	1	77	3
3	<i>Acinetobacter anitratus</i>	240	47	8	-	37	9	18	5	22	5
4	<i>Enterobacter cloacae</i>	122	94	8	0	61	78	73	46	74	68
5	<i>Escherichia coli</i>	119	79	41	0	53	31	34	28	36	30
6	<i>Acinetobacter lwoffii</i>	39	61	54	-	36	29	31	43	65	35
7	<i>Klebsiella oxytoca</i>	27	96	48	-	47	38	46	38	38	45
8	<i>Acinetobacter baumannii</i>	26	92	90	33	75	0	80	8	88	12
9	<i>Proteus mirabilis</i>	13	85	62	-	70	78	82	73	90	75

No	Bakteri	N	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Klebsiella pneumoniae</i>	642	63	55	76	85	81	86	68	90	68
2	<i>Pseudomonas aeruginosa</i>	287	3	72	74	0	50	57	70	33	74
3	<i>Acinetobacter anitratus</i>	240	6	45	46	-	-	-	42	-	46
4	<i>Enterobacter cloacae</i>	122	73	78	80	100	100	-	84	100	90
5	<i>Escherichia coli</i>	119	62	29	88	-	83	67	72	83	44
6	<i>Acinetobacter lwoffii</i>	39	41	46	63	-	-	100	59	-	78
7	<i>Klebsiella oxytoca</i>	27	50	33	90	-	100	-	50	-	50
8	<i>Acinetobacter baumannii</i>	26	33	69	92	100	33	50	88	92	100
9	<i>Proteus mirabilis</i>	13	12	90	89	-	-	-	75	0	92

No	Bakteri	N	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	642	75	56	47	28	59
2	<i>Pseudomonas aeruginosa</i>	287	75	71	3	4	8
3	<i>Acinetobacter anitratus</i>	240	47	29	20	29	43
4	<i>Enterobacter cloacae</i>	122	83	68	56	30	75
5	<i>Escherichia coli</i>	119	88	72	39	68	45
6	<i>Acinetobacter lwoffii</i>	39	65	69	42	64	76
7	<i>Klebsiella oxytoca</i>	27	100	83	54	88	29
8	<i>Acinetobacter baumannii</i>	26	84	70	100	67	50
9	<i>Proteus mirabilis</i>	13	83	100	0	36	100

#### D. SPESIMEN PUS

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	CZO %S	FEP %S	CTX %S
1	<i>Pseudomonas aeruginosa</i>	93	89	0	-	0	47	0	76	0
2	<i>Escherichia coli</i>	88	85	53	0	57	38	17	40	36
3	<i>Klebsiella pneumoniae</i>	79	79	42	0	56	46	0	46	29
4	<i>Acinetobacter anitratus</i>	29	62	26	-	65	29	-	32	15
5	<i>Proteus mirabilis</i>	26	92	85	-	78	67	0	61	90
6	<i>Enterobacter cloacae</i>	25	86	4	-	46	69	0	65	38
7	<i>Klebsiella oxytoca</i>	19	82	44	0	56	27	-	33	17

No	Bakteri	N	CAZ %S	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	GEN %S
1	<i>Pseudomonas aeruginosa</i>	93	74	3	7	69	84	-	-	79
2	<i>Escherichia coli</i>	88	46	34	64	37	82	0	100	75
3	<i>Klebsiella pneumoniae</i>	79	38	36	56	34	70	100	100	54
4	<i>Acinetobacter anitratus</i>	29	25	25	14	52	59	-	-	64
5	<i>Proteus mirabilis</i>	26	65	77	22	60	50	-	20	71
6	<i>Enterobacter cloacae</i>	25	60	63	64	78	93	-	100	72
7	<i>Klebsiella oxytoca</i>	19	33	36	67	46	93	-	-	54

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Pseudomonas aeruginosa</i>	93	26	74	88	69	0	0	0
2	<i>Escherichia coli</i>	88	91	50	86	77	28	74	24
3	<i>Klebsiella pneumoniae</i>	79	100	55	67	38	39	23	28
4	<i>Acinetobacter anitratus</i>	29	-	48	67	38	20	31	38
5	<i>Proteus mirabilis</i>	26	0	85	62	87	8	47	42
6	<i>Enterobacter cloacae</i>	25	-	81	81	50	61	33	58
7	<i>Klebsiella oxytoca</i>	19	-	50	100	50	35	65	50

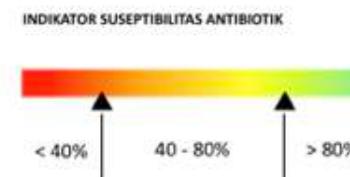
## E. SPESIMEN CAIRAN TUBUH

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	32	90	41	0	50	68	56	41	63
2	<i>Klebsiella pneumoniae</i>	17	71	50	0	38	54	47	33	50
3	<i>Pseudomonas aeruginosa</i>	17	73	0	25	11	50	67	9	71

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	32	58	73	54	90	-	100	-	81
2	<i>Klebsiella pneumoniae</i>	17	43	50	57	90	-	100	-	57
3	<i>Pseudomonas aeruginosa</i>	17	10	10	75	60	0	0	67	71

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	32	100	63	88	70	39	63	11
2	<i>Klebsiella pneumoniae</i>	17	-	87	54	25	50	44	100
3	<i>Pseudomonas aeruginosa</i>	17	20	73	64	67	10	9	25

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik



## F. SPESIMEN FESES

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	98	100	67	7	33	100	85	100	88
2	<i>Klebsiella pneumoniae</i>	91	82	64	0	74	66	54	32	55
3	<i>Klebsiella oxytoca</i>	41	76	49	-	58	48	44	33	48
4	<i>Proteus mirabilis</i>	27	86	68	-	86	67	44	41	53
5	<i>Klebsiella aerogenes</i>	16	92	7	0	40	56	64	53	60
6	<i>Enterobacter cloacae</i>	12	90	0	-	38	100	67	50	83

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	GEN %S	IPM %S
1	<i>Escherichia coli</i>	98	88	-	77	100	33	100	88	100
2	<i>Klebsiella pneumoniae</i>	91	51	80	70	55	0	100	80	0
3	<i>Klebsiella oxytoca</i>	41	46	59	37	73	-	-	54	-
4	<i>Proteus mirabilis</i>	27	64	21	83	43	-	-	75	-
5	<i>Klebsiella aerogenes</i>	16	54	75	80	75	-	100	91	-
6	<i>Enterobacter cloacae</i>	12	70	67	75	78	-	-	100	-

No	Bakteri	N	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	98	100	100	60	-	67	42
2	<i>Klebsiella pneumoniae</i>	91	88	46	36	64	34	74
3	<i>Klebsiella oxytoca</i>	41	49	71	56	32	79	50
4	<i>Proteus mirabilis</i>	27	86	54	78	10	41	75
5	<i>Klebsiella aerogenes</i>	16	92	62	62	75	50	78
6	<i>Enterobacter cloacae</i>	12	100	70	67	91	36	86

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## G. SPESIMEN SWAB

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	FEP %S	CAZ %S	CRO %S
1	<i>Pseudomonas aeruginosa</i>	40	88	0	0	0	49	42	0
2	<i>Escherichia coli</i>	18	100	0	17	33	75	50	44
3	<i>Klebsiella pneumoniae</i>	15	100	100	0	20	71	60	60
4	<i>Acinetobacter baumannii</i>	14	71	0	0	71	23	21	0
5	<i>Proteus mirabilis</i>	12	100	-	25	25	56	50	42

No	Bakteri	N	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Pseudomonas aeruginosa</i>	40	0	48	0	0	0	56	62
2	<i>Escherichia coli</i>	18	100	22	-	50	94	0	78
3	<i>Klebsiella pneumoniae</i>	15	-	53	-	-	93	-	53
4	<i>Acinetobacter baumannii</i>	14	0	43	-	50	0	0	43
5	<i>Proteus mirabilis</i>	12	0	33	-	0	50	50	42

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Pseudomonas aeruginosa</i>	40	38	15	72	53	0	71	0
2	<i>Escherichia coli</i>	18	100	0	94	54	0	82	28
3	<i>Klebsiella pneumoniae</i>	15	-	0	100	20	-	100	47
4	<i>Acinetobacter baumannii</i>	14	50	0	71	50	0	70	79
5	<i>Proteus mirabilis</i>	12	50	40	75	50	0	57	25

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik

## II. RUANG RAWAT INAP NON INTENSIF

### A. SPESIMEN DARAH

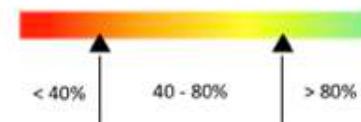
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	291	70	17	0	14	10	18	11	18
2	<i>Escherichia coli</i>	119	90	47	7	35	40	44	23	36
3	<i>Pseudomonas aeruginosa</i>	70	88	0	0	4	58	80	2	73
4	<i>Acinetobacter anitratus</i>	45	44	16	-	53	0	18	0	11
5	<i>Burkholderia cepacia</i>	44	2	0	0	0	0	59	7	90
6	<i>Serratia marcescens</i>	40	80	0	0	0	77	77	44	57
7	<i>Enterobacter cloacae</i>	35	85	8	20	29	52	52	21	57
8	<i>Acinetobacter baumannii</i>	31	81	67	0	58	14	28	0	42
9	<i>Klebsiella oxytoca</i>	26	87	62	-	61	44	46	35	33
10	<i>Acinetobacter lwoffii</i>	15	77	86	0	71	29	33	23	60
11	<i>Stenotrophomonas maltophilia</i>	10	25	0	0	0	0	0	0	75
12	<i>Sphingomonas paucimobilis</i>	10	100	50	50	50	0	50	0	0

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	291	15	63	34	77	33	90	-	30
2	<i>Escherichia coli</i>	119	28	90	37	92	67	100	-	59
3	<i>Pseudomonas aeruginosa</i>	70	9	4	84	81	0	-	-	84
4	<i>Acinetobacter anitratus</i>	45	3	3	34	53	-	-	-	46
5	<i>Burkholderia cepacia</i>	44	21	100	55	0	20	-	-	0
6	<i>Serratia marcescens</i>	40	55	71	100	100	50	71	100	66
7	<i>Enterobacter cloacae</i>	35	50	50	74	79	100	78	-	73
8	<i>Acinetobacter baumannii</i>	31	10	0	26	79	50	0	0	55
9	<i>Klebsiella oxytoca</i>	26	41	56	30	96	-	-	-	57
10	<i>Acinetobacter lwoffii</i>	15	25	25	62	86	100	-	-	64
11	<i>Stenotrophomonas maltophilia</i>	10	0	67	75	-	-	0	50	50
12	<i>Sphingomonas paucimobilis</i>	10	43	67	57	33	100	50	0	100

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	291	100	48	80	35	21	46	32
2	<i>Escherichia coli</i>	119	92	45	94	65	36	75	37
3	<i>Pseudomonas aeruginosa</i>	70	50	77	84	58	4	19	3
4	<i>Acinetobacter anitratus</i>	45	-	45	46	32	25	46	44
5	<i>Burkholderia cepacia</i>	44	0	81	24	11	0	100	71
6	<i>Serratia marcescens</i>	40	75	100	95	56	17	54	86
7	<i>Enterobacter cloacae</i>	35	100	96	94	48	45	42	59
8	<i>Acinetobacter baumannii</i>	31	67	40	68	53	0	80	71
9	<i>Klebsiella oxytoca</i>	26	-	33	91	50	27	84	43
10	<i>Acinetobacter lwoffii</i>	15	100	93	77	71	69	85	75
11	<i>Stenotrophomonas maltophilia</i>	10	0	100	0	0	0	67	86
12	<i>Sphingomonas paucimobilis</i>	10	0	75	71	40	86	86	80

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



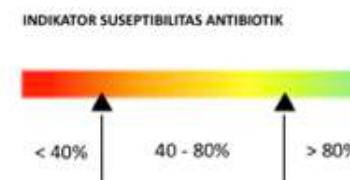
## B. SPESIMEN URINE

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	611	84	38	4	33	24	34	18	28
2	<i>Klebsiella pneumoniae</i>	381	68	22	0	16	17	23	11	15
3	<i>Pseudomonas aeruginosa</i>	134	85	0	0	2	30	66	0	62
4	<i>Klebsiella oxytoca</i>	123	73	35	-	33	25	21	20	21
5	<i>Acinetobacter anitratus</i>	68	66	37	-	61	12	46	11	23
6	<i>Acinetobacter lwoffii</i>	59	73	70	50	62	21	46	27	38
7	<i>Acinetobacter baumannii</i>	54	86	78	6	50	0	28	0	34
8	<i>Enterobacter cloacae</i>	51	83	14	0	15	43	47	19	42
9	<i>Proteus mirabilis</i>	27	96	62	14	75	73	63	73	73
10	<i>Burkholderia cepacia</i>	26	4	0	0	0	0	41	11	92
11	<i>Proteus vulgaris</i>	17	77	20	0	30	67	56	60	44
12	<i>Klebsiella aerogenes</i>	15	64	20	0	0	20	50	18	36
13	<i>Acinetobacter sp.</i>	13	20	20	-	10	0	0	0	0

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	611	24	60	29	93	30	88	84	60
2	<i>Klebsiella pneumoniae</i>	381	14	44	28	66	31	75	70	44
3	<i>Pseudomonas aeruginosa</i>	134	9	0	63	65	0	0	44	74
4	<i>Klebsiella oxytoca</i>	123	16	47	25	0	-	-	87	59
5	<i>Acinetobacter anitratus</i>	68	12	27	52	-	-	-	20	65
6	<i>Acinetobacter lwoffii</i>	59	18	38	59	50	100	-	39	71
7	<i>Acinetobacter baumannii</i>	54	2	50	25	72	0	25	20	47
8	<i>Enterobacter cloacae</i>	51	32	29	59	91	67	100	56	60
9	<i>Proteus mirabilis</i>	27	58	13	76	-	0	100	65	75
10	<i>Burkholderia cepacia</i>	26	14	100	16	0	0	0	0	4
11	<i>Proteus vulgaris</i>	17	73	50	70	-	-	0	25	77
12	<i>Klebsiella aerogenes</i>	15	33	20	50	67	0	100	38	46
13	<i>Acinetobacter sp.</i>	13	0	0	20	-	-	-	50	40

No	Bakteri	N	IPM %S	LVX %S	MEM %S	NIT %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	611	92	36	89	72	56	32	74	29
2	<i>Klebsiella pneumoniae</i>	381	69	42	64	31	32	29	37	38
3	<i>Pseudomonas aeruginosa</i>	134	71	57	69	2	62	4	14	11
4	<i>Klebsiella oxytoca</i>	123	-	30	83	69	45	19	71	20
5	<i>Acinetobacter anitratus</i>	68	-	62	71	3	61	37	49	31
6	<i>Acinetobacter lwoffii</i>	59	50	76	72	15	56	68	76	48
7	<i>Acinetobacter baumannii</i>	54	71	61	65	0	53	25	46	46
8	<i>Enterobacter cloacae</i>	51	82	66	83	21	52	16	41	40
9	<i>Proteus mirabilis</i>	27	0	80	62	5	67	12	55	27
10	<i>Burkholderia cepacia</i>	26	0	64	38	0	27	0	67	62
11	<i>Proteus vulgaris</i>	17	100	87	87	13	75	36	44	75
12	<i>Klebsiella aerogenes</i>	15	67	33	58	38	40	40	64	50
13	<i>Acinetobacter sp.</i>	13	-	30	40	10	0	33	70	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



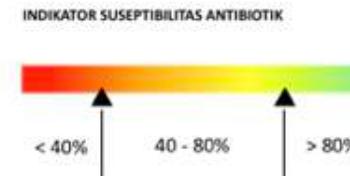
**C. SPESIMEN SPUTUM**

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	933	83	40	3	41	37	39	27	40
2	<i>Pseudomonas aeruginosa</i>	485	86	2	2	5	53	79	3	73
3	<i>Acinetobacter baumannii</i>	245	81	62	9	56	10	66	3	60
4	<i>Acinetobacter anitratus</i>	230	44	8	-	46	3	14	4	14
5	<i>Escherichia coli</i>	189	91	49	12	49	32	38	27	40
6	<i>Enterobacter cloacae</i>	186	90	11	0	35	68	67	39	69
7	<i>Acinetobacter lwoffii</i>	50	44	30	-	40	10	14	2	54
8	<i>Klebsiella oxytoca</i>	40	87	51	-	58	38	40	19	38
9	<i>Klebsiella aerogenes</i>	33	88	0	0	54	67	62	43	67
10	<i>Stenotrophomonas maltophilia</i>	19	54	25	33	50	0	0	0	27
11	<i>Serratia marcescens</i>	19	89	0	0	8	100	93	73	94
12	<i>Proteus mirabilis</i>	13	83	50	50	56	67	50	50	46
13	<i>Burkholderia cepacia</i>	12	8	25	0	0	17	12	17	92
14	<i>Sphingomonas paucimobilis</i>	12	91	50	0	0	12	57	50	64

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	933	34	58	42	76	49	84	84	58
2	<i>Pseudomonas aeruginosa</i>	485	9	8	78	72	8	60	51	81
3	<i>Acinetobacter baumannii</i>	245	5	14	61	72	53	33	21	67
4	<i>Acinetobacter anitratus</i>	230	2	11	42	44	-	-	-	49
5	<i>Escherichia coli</i>	189	29	69	34	95	52	94	93	59
6	<i>Enterobacter cloacae</i>	186	60	65	83	87	80	84	75	85
7	<i>Acinetobacter lwoffii</i>	50	6	35	56	46	-	-	-	52
8	<i>Klebsiella oxytoca</i>	40	31	83	33	97	-	100	-	54
9	<i>Klebsiella aerogenes</i>	33	55	50	73	92	70	60	50	82
10	<i>Stenotrophomonas maltophilia</i>	19	10	20	73	67	0	33	33	73
11	<i>Serratia marcescens</i>	19	84	50	100	89	100	86	0	89
12	<i>Proteus mirabilis</i>	13	58	56	70	50	100	80	100	73
13	<i>Burkholderia cepacia</i>	12	10	50	0	33	0	-	-	8
14	<i>Sphingomonas paucimobilis</i>	12	75	0	62	100	100	-	-	82

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	933	89	60	77	61	43	39	46
2	<i>Pseudomonas aeruginosa</i>	485	56	75	76	74	8	14	13
3	<i>Acinetobacter baumannii</i>	245	71	61	70	61	49	66	57
4	<i>Acinetobacter anitratus</i>	230	-	45	48	40	24	29	40
5	<i>Escherichia coli</i>	189	97	40	92	74	34	64	25
6	<i>Enterobacter cloacae</i>	186	91	90	86	86	52	50	78
7	<i>Acinetobacter lwoffii</i>	50	100	83	41	31	19	61	71
8	<i>Klebsiella oxytoca</i>	40	-	36	92	70	24	69	48
9	<i>Klebsiella aerogenes</i>	33	90	81	88	62	76	63	74
10	<i>Stenotrophomonas maltophilia</i>	19	50	82	27	50	25	67	50
11	<i>Serratia marcescens</i>	19	75	100	84	93	17	29	91
12	<i>Proteus mirabilis</i>	13	50	67	64	43	29	70	89
13	<i>Burkholderia cepacia</i>	12	33	50	67	11	0	43	71
14	<i>Sphingomonas paucimobilis</i>	12	0	100	54	43	0	100	57

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik



#### D. SPESIMEN PUS

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	164	89	46	19	41	38	35	33	42
2	<i>Klebsiella pneumoniae</i>	127	68	33	0	22	36	39	22	32
3	<i>Pseudomonas aeruginosa</i>	111	74	2	0	5	33	59	1	60
4	<i>Acinetobacter baumannii</i>	48	76	6	-	0	0	15	4	12
5	<i>Proteus mirabilis</i>	48	98	45	100	60	79	70	53	62
6	<i>Enterobacter cloacae</i>	33	97	33	0	71	45	59	61	54
7	<i>Acinetobacter anitratus</i>	21	53	15	-	57	12	29	10	10
8	<i>Klebsiella oxytoca</i>	16	75	69	-	50	33	18	31	14
9	<i>Morganella morganii</i>	10	100	0	-	-	67	100	62	56
10	<i>Providencia stuartii</i>	10	80	0	-	-	80	80	33	50

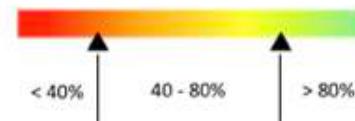
No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	164	31	67	32	91	57	86	-	60
2	<i>Klebsiella pneumoniae</i>	127	31	40	28	61	67	71	-	55
3	<i>Pseudomonas aeruginosa</i>	111	11	4	63	71	0	100	100	68
4	<i>Acinetobacter baumannii</i>	48	0	-	12	23	100	33	-	21
5	<i>Proteus mirabilis</i>	48	71	35	55	73	0	86	-	54
6	<i>Enterobacter cloacae</i>	33	48	38	85	100	100	70	-	72
7	<i>Acinetobacter anitratus</i>	21	0	10	36	42	-	-	-	46
8	<i>Klebsiella oxytoca</i>	16	25	71	40	100	-	-	-	50
9	<i>Morganella morganii</i>	10	60	-	100	-	-	100	-	78
10	<i>Providencia stuartii</i>	10	50	-	80	-	-	67	-	70

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	164	90	41	90	72	24	81	30
2	<i>Klebsiella pneumoniae</i>	127	81	44	67	47	32	32	38
3	<i>Pseudomonas aeruginosa</i>	111	12	74	73	58	0	3	2
4	<i>Acinetobacter baumannii</i>	48	27	9	28	15	-	0	14
5	<i>Proteus mirabilis</i>	48	0	72	81	76	15	47	43
6	<i>Enterobacter cloacae</i>	33	100	85	93	80	23	47	31
7	<i>Acinetobacter anitratus</i>	21	-	50	64	29	37	21	54
8	<i>Klebsiella oxytoca</i>	16	-	54	92	67	23	56	57
9	<i>Morganella morganii</i>	10	17	86	90	86	0	0	100
10	<i>Providencia stuartii</i>	10	0	0	100	100	-	-	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## E. SPESIMEN CAIRAN TUBUH

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	46	98	49	25	42	38	36	18	44
2	<i>Klebsiella pneumoniae</i>	42	72	30	0	27	28	32	19	36
3	<i>Pseudomonas aeruginosa</i>	27	68	0	0	0	29	60	0	50
4	<i>Klebsiella aerogenes</i>	13	83	17	0	40	22	27	22	12
5	<i>Acinetobacter sp.</i>	10	50	10	-	22	12	22	0	0

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	46	33	54	28	89	50	91	100	54
2	<i>Klebsiella pneumoniae</i>	42	29	44	40	61	0	100	-	36
3	<i>Pseudomonas aeruginosa</i>	27	0	0	53	80	-	0	0	75
4	<i>Klebsiella aerogenes</i>	13	31	67	60	86	-	100	-	62
5	<i>Acinetobacter sp.</i>	10	10	14	22	17	-	-	-	60

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	46	100	33	93	64	33	71	50
2	<i>Klebsiella pneumoniae</i>	42	67	45	77	44	28	23	38
3	<i>Pseudomonas aeruginosa</i>	27	25	56	72	62	0	22	0
4	<i>Klebsiella aerogenes</i>	13	0	92	62	67	57	42	100
5	<i>Acinetobacter sp.</i>	10	-	40	33	0	14	20	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## F. SPESIMEN FESES

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	248	99	59	13	21	52	58	48	48
2	<i>Klebsiella pneumoniae</i>	187	76	24	0	22	21	23	10	21
3	<i>Klebsiella oxytoca</i>	56	76	29	-	34	20	13	8	29
4	<i>Pseudomonas aeruginosa</i>	24	96	0	0	0	36	78	0	61
5	<i>Enterobacter cloacae</i>	16	82	10	0	0	20	38	18	9
6	<i>Klebsiella aerogenes</i>	15	79	17	0	20	25	31	8	22
7	<i>Proteus mirabilis</i>	11	88	90	-	75	75	57	50	50

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	248	44	100	44	93	53	95	100	53
2	<i>Klebsiella pneumoniae</i>	187	18	58	41	50	0	80	33	50
3	<i>Klebsiella oxytoca</i>	56	16	60	24	69	-	-	-	54
4	<i>Pseudomonas aeruginosa</i>	24	0	9	71	62	-	-	-	71
5	<i>Enterobacter cloacae</i>	16	15	75	44	80	-	20	-	64
6	<i>Klebsiella aerogenes</i>	15	27	75	54	86	-	50	-	73
7	<i>Proteus mirabilis</i>	11	75	25	60	50	-	-	-	83

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	248	93	48	94	73	33	77	16
2	<i>Klebsiella pneumoniae</i>	187	64	58	58	42	41	37	33
3	<i>Klebsiella oxytoca</i>	56	-	31	76	50	15	82	27
4	<i>Pseudomonas aeruginosa</i>	24	-	73	90	80	8	10	0
5	<i>Enterobacter cloacae</i>	16	100	89	77	56	38	75	50
6	<i>Klebsiella aerogenes</i>	15	-	75	64	50	44	54	100
7	<i>Proteus mirabilis</i>	11	-	90	62	83	9	60	50

## G. SPESIMEN SWAB

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	FEP %S	CAZ %S	CRO %S
1	<i>Escherichia coli</i>	44	100	-	2	16	44	32	11
2	<i>Pseudomonas aeruginosa</i>	31	84	0	7	0	62	61	10
3	<i>Acinetobacter baumannii</i>	18	56	0	0	33	11	11	0
4	<i>Klebsiella pneumoniae</i>	17	94	0	0	29	47	41	41
5	<i>Proteus mirabilis</i>	17	94	-	6	6	50	53	41
6	<i>Enterobacter cloacae</i>	13	92	-	0	0	42	23	23

No	Bakteri	N	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	44	100	23	-	100	93	100	61
2	<i>Pseudomonas aeruginosa</i>	31	0	64	0	0	25	33	71
3	<i>Acinetobacter baumannii</i>	18	0	6	-	50	0	0	17
4	<i>Klebsiella pneumoniae</i>	17	25	35	0	0	88	33	29
5	<i>Proteus mirabilis</i>	17	20	41	-	0	35	50	29
6	<i>Enterobacter cloacae</i>	13	0	69	-	0	77	0	54

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	44	-	0	93	57	67	79	23
2	<i>Pseudomonas aeruginosa</i>	31	20	14	74	56	0	67	0
3	<i>Acinetobacter baumannii</i>	18	25	0	39	30	0	64	67
4	<i>Klebsiella pneumoniae</i>	17	0	0	88	62	0	100	41
5	<i>Proteus mirabilis</i>	17	0	14	53	44	0	67	24
6	<i>Enterobacter cloacae</i>	13	-	0	77	78	0	67	38

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

### III. RUANG RAWAT INAP INTENSIF

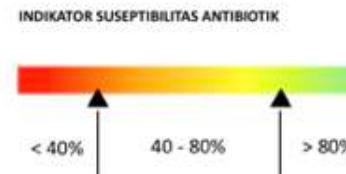
#### A. SPESIMEN DARAH

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	192	72	12	0	4	12	24	4	7
2	<i>Burkholderia cepacia</i>	95	2	2	0	0	4	62	17	97
3	<i>Serratia marcescens</i>	44	66	0	0	0	43	64	53	52
4	<i>Acinetobacter baumannii</i>	36	67	20	0	16	0	10	0	14
5	<i>Escherichia coli</i>	36	91	39	12	20	50	54	28	52
6	<i>Pseudomonas aeruginosa</i>	33	97	9	0	0	71	88	0	83
7	<i>Enterobacter cloacae</i>	28	100	0	0	7	75	59	31	42
8	<i>Acinetobacter anitratus</i>	21	10	5	-	21	14	15	6	33
9	<i>Sphingomonas paucimobilis</i>	13	100	100	33	83	-	83	80	17
10	<i>Stenotrophomonas maltophilia</i>	12	0	0	0	0	0	0	0	0
11	<i>Achromobacter xylosoxidans</i>	11	10	100	0	0	-	22	0	80
12	<i>Acinetobacter lwoffii</i>	10	60	75	0	80	0	33	50	78

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	192	6	52	57	75	43	86	100	16
2	<i>Burkholderia cepacia</i>	95	12	60	46	10	40	-	-	1
3	<i>Serratia marcescens</i>	44	50	100	89	88	70	92	-	58
4	<i>Acinetobacter baumannii</i>	36	0	0	16	22	27	0	0	31
5	<i>Escherichia coli</i>	36	44	67	46	93	44	94	-	59
6	<i>Pseudomonas aeruginosa</i>	33	0	0	96	77	33	-	-	97
7	<i>Enterobacter cloacae</i>	28	37	83	78	80	67	91	-	58
8	<i>Acinetobacter anitratus</i>	21	6	8	12	36	-	-	-	6
9	<i>Sphingomonas paucimobilis</i>	13	100	100	62	100	100	100	0	92
10	<i>Stenotrophomonas maltophilia</i>	12	0	57	57	0	50	0	20	29
11	<i>Achromobacter xylosoxidans</i>	11	0	-	0	-	-	-	-	10
12	<i>Acinetobacter lwoffii</i>	10	56	25	60	86	75	0	0	78

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	192	82	69	80	35	35	60	35
2	<i>Burkholderia cepacia</i>	95	0	86	29	9	0	43	69
3	<i>Serratia marcescens</i>	44	70	90	93	77	43	64	60
4	<i>Acinetobacter baumannii</i>	36	17	17	22	30	12	50	45
5	<i>Escherichia coli</i>	36	80	56	91	48	20	67	15
6	<i>Pseudomonas aeruginosa</i>	33	60	93	88	76	0	25	0
7	<i>Enterobacter cloacae</i>	28	86	88	93	76	44	62	61
8	<i>Acinetobacter anitratus</i>	21	-	20	56	33	8	37	0
9	<i>Sphingomonas paucimobilis</i>	13	75	100	85	78	83	83	100
10	<i>Stenotrophomonas maltophilia</i>	12	0	75	0	0	20	75	86
11	<i>Achromobacter xylosoxidans</i>	11	-	0	91	25	0	43	100
12	<i>Acinetobacter lwoffii</i>	10	100	89	89	75	20	40	80

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik



## B. SPESIMEN URINE

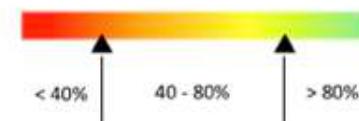
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	72	88	32	9	29	36	43	25	40
2	<i>Klebsiella pneumoniae</i>	51	51	27	0	9	14	31	15	9
3	<i>Acinetobacter baumannii</i>	17	65	60	0	15	0	0	0	18
4	<i>Pseudomonas aeruginosa</i>	12	64	0	0	0	0	44	0	67

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	72	30	88	32	79	35	82	77	62
2	<i>Klebsiella pneumoniae</i>	51	8	25	44	67	33	82	83	14
3	<i>Acinetobacter baumannii</i>	17	0	0	0	60	0	0	0	24
4	<i>Pseudomonas aeruginosa</i>	12	0	50	50	50	0	-	20	50

No	Bakteri	N	IPM %S	LVX %S	MEM %S	NIT %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	72	78	36	84	78	45	18	83	25
2	<i>Klebsiella pneumoniae</i>	51	65	39	69	22	43	38	41	27
3	<i>Acinetobacter baumannii</i>	17	43	50	53	0	50	0	62	38
4	<i>Pseudomonas aeruginosa</i>	12	100	50	50	0	40	0	11	25

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



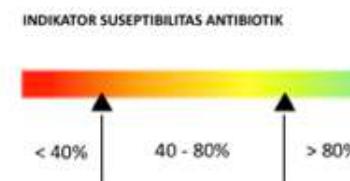
### C. SPESIMEN SPUTUM

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	710	73	29	0	33	32	36	18	22
2	<i>Pseudomonas aeruginosa</i>	407	74	0	0	4	50	71	0	65
3	<i>Acinetobacter baumannii</i>	360	40	4	1	25	0	11	3	14
4	<i>Acinetobacter anitratus</i>	158	18	4	-	18	8	11	7	13
5	<i>Escherichia coli</i>	131	84	43	0	42	23	32	16	24
6	<i>Enterobacter cloacae</i>	110	85	1	6	12	49	48	21	51
7	<i>Serratia marcescens</i>	66	77	0	0	0	64	63	46	60
8	<i>Stenotrophomonas maltophilia</i>	58	17	5	20	20	11	21	6	45
9	<i>Burkholderia cepacia</i>	50	2	0	0	0	6	11	26	86
10	<i>Acinetobacter lwoffii</i>	30	21	44	-	15	7	10	8	50
11	<i>Klebsiella aerogenes</i>	28	75	0	0	32	86	71	12	39
12	<i>Klebsiella oxytoca</i>	10	56	33	-	17	33	25	22	12
13	<i>Proteus mirabilis</i>	10	80	57	0	50	60	60	57	70

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	710	22	55	38	65	38	73	80	42
2	<i>Pseudomonas aeruginosa</i>	407	8	7	69	60	4	40	51	69
3	<i>Acinetobacter baumannii</i>	360	3	10	20	16	35	11	13	17
4	<i>Acinetobacter anitratus</i>	158	8	9	22	23	-	-	-	23
5	<i>Escherichia coli</i>	131	18	57	37	93	39	81	88	60
6	<i>Enterobacter cloacae</i>	110	37	58	52	82	54	89	62	74
7	<i>Serratia marcescens</i>	66	61	82	70	91	44	94	-	75
8	<i>Stenotrophomonas maltophilia</i>	58	9	67	44	33	100	25	20	17
9	<i>Burkholderia cepacia</i>	50	3	100	0	25	13	-	-	0
10	<i>Acinetobacter lwoffii</i>	30	4	50	53	19	-	-	-	25
11	<i>Klebsiella aerogenes</i>	28	18	33	44	62	33	45	31	50
12	<i>Klebsiella oxytoca</i>	10	11	43	50	83	-	0	-	38
13	<i>Proteus mirabilis</i>	10	60	57	88	67	-	67	67	90

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	710	73	50	66	47	38	45	44
2	<i>Pseudomonas aeruginosa</i>	407	55	63	64	54	4	18	8
3	<i>Acinetobacter baumannii</i>	360	28	20	21	21	24	44	34
4	<i>Acinetobacter anitratus</i>	158	-	27	26	29	13	21	34
5	<i>Escherichia coli</i>	131	87	47	92	76	28	78	32
6	<i>Enterobacter cloacae</i>	110	93	74	86	76	20	39	70
7	<i>Serratia marcescens</i>	66	82	85	91	69	8	62	94
8	<i>Stenotrophomonas maltophilia</i>	58	25	88	9	12	17	73	67
9	<i>Burkholderia cepacia</i>	50	0	46	67	2	0	11	88
10	<i>Acinetobacter lwoffii</i>	30	-	62	33	14	19	62	73
11	<i>Klebsiella aerogenes</i>	28	33	58	57	81	23	47	62
12	<i>Klebsiella oxytoca</i>	10	-	62	89	40	33	80	33
13	<i>Proteus mirabilis</i>	10	50	78	80	75	50	60	60

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



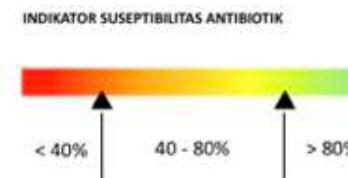
#### D. SPESIMEN PUS

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	27	72	25	0	18	17	21	4	13
2	<i>Escherichia coli</i>	14	100	36	0	33	20	40	18	36
3	<i>Pseudomonas aeruginosa</i>	13	69	0	-	-	33	60	0	50
4	<i>Acinetobacter baumannii</i>	10	67	0	-	-	0	33	0	20

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	GEN %S	IPM %S
1	<i>Klebsiella pneumoniae</i>	27	8	11	8	71	57	100	25	56
2	<i>Escherichia coli</i>	14	21	50	20	100	100	100	57	100
3	<i>Pseudomonas aeruginosa</i>	13	0	0	17	88	-	-	67	0
4	<i>Acinetobacter baumannii</i>	10	0	-	33	0	-	-	20	0

No	Bakteri	N	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	27	24	64	44	38	27	43
2	<i>Escherichia coli</i>	14	18	93	50	-	67	0
3	<i>Pseudomonas aeruginosa</i>	13	62	58	83	0	0	0
4	<i>Acinetobacter baumannii</i>	10	0	20	20	-	-	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik



## E. SPESIMEN CAIRAN TUBUH

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	24	68	0	0	0	25	29	0	10
2	<i>Escherichia coli</i>	9*	78	25	0	25	25	25	50	25

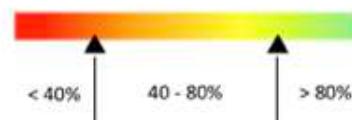
No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	24	8	36	53	60	33	57	67	50
2	<i>Escherichia coli</i>	9*	22	25	44	100	100	100	100	56

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	24	50	63	62	19	42	42	29
2	<i>Escherichia coli</i>	9*	100	60	100	33	40	60	33

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

\* Jumlah isolat kurang dari 10 isolat; penafsiran persentase kepekaan harus dipertimbangkan

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## F. SPESIMEN FESES

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	43	60	18	0	15	20	35	4	14
2	<i>Escherichia coli</i>	37	89	71	17	12	0	36	31	36
3	<i>Enterobacter cloacae</i>	9*	100	0	0	25	100	100	14	60
4	<i>Pseudomonas aeruginosa</i>	9*	100	0	0	0	33	89	0	100

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	43	5	88	78	54	33	86	100	29
2	<i>Escherichia coli</i>	37	18	-	19	100	60	73	-	41
3	<i>Enterobacter cloacae</i>	9*	33	100	75	33	100	100	-	67
4	<i>Pseudomonas aeruginosa</i>	9*	0	0	89	100	-	-	-	78

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	43	69	77	60	16	54	43	26
2	<i>Escherichia coli</i>	37	100	47	93	67	0	80	0
3	<i>Enterobacter cloacae</i>	9*	100	100	67	50	33	29	33
4	<i>Pseudomonas aeruginosa</i>	9*	-	83	89	100	0	0	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

\* Jumlah isolat kurang dari 10 isolat; penafsiran persentase kepekaan harus dipertimbangkan

**DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI  
GRAM POSITIF DARI BERBAGAI SPESIMEN  
BERDASARKAN KATEGORI RUANG PERAWATAN DI  
RUMAH SAKIT TIPE A**

**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



## BAB IV

### DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM POSITIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE A TAHUN 2018

#### I. RUANG RAWAT JALAN

##### A. SPESIMEN DARAH

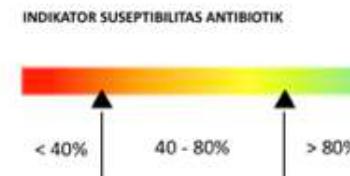
No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S	DOX %S
1	<i>Staphylococcus epidermidis</i>	137	69	71	0	11	46	47	20	60	-
2	<i>Staphylococcus aureus</i>	89	83	86	61	61	69	73	74	100	-
3	<i>Staphylococcus saprophyticus</i>	38	55	60	0	0	54	54	100	-	-
4	<i>Enterococcus faecalis</i>	27	85	50	7	5	33	9	50	0	100
5	<i>Staphylococcus hominis</i>	15	21	8	21	21	-	93	29	0	100

No	Bakteri	N	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MNO %S
1	<i>Staphylococcus epidermidis</i>	137	0	37	-	25	0	54	100	14	-
2	<i>Staphylococcus aureus</i>	89	-	78	100	74	61	85	95	63	-
3	<i>Staphylococcus saprophyticus</i>	38	-	35	-	100	0	56	100	0	-
4	<i>Enterococcus faecalis</i>	27	-	18	-	10	100	33	75	17	-
5	<i>Staphylococcus hominis</i>	15	0	21	-	100	21	86	86	21	100

No	Bakteri	N	MFX %S	OXA %S	TZP %S	QDA %S	RIF %S
1	<i>Staphylococcus epidermidis</i>	137	52	0	56	100	75
2	<i>Staphylococcus aureus</i>	89	81	63	24	100	95
3	<i>Staphylococcus saprophyticus</i>	38	53	0	33	100	100
4	<i>Enterococcus faecalis</i>	27	47	4	38	0	-
5	<i>Staphylococcus hominis</i>	15	86	21	0	86	79

No	Bakteri	N	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus epidermidis</i>	137	66	0	92	28	100
2	<i>Staphylococcus aureus</i>	89	60	61	65	90	75
3	<i>Staphylococcus saprophyticus</i>	38	77	0	88	65	-
4	<i>Enterococcus faecalis</i>	27	53	-	62	50	100
5	<i>Staphylococcus hominis</i>	15	64	21	89	29	82

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



## B. SPESIMEN URINE

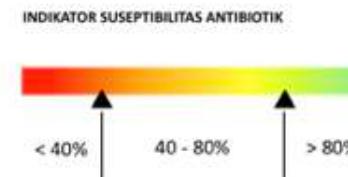
No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Enterococcus faecalis</i>	459	88	20	4	9	56	13	0	33
2	<i>Staphylococcus epidermidis</i>	345	64	66	0	11	47	44	17	0
3	<i>Staphylococcus saprophyticus</i>	198	74	75	50	50	52	63	50	-
4	<i>Streptococcus viridans, alpha-hem.</i>	75	98	0	53	72	86	32	-	-
5	<i>Staphylococcus aureus ss. aureus</i>	45	85	88	20	40	72	78	57	0
6	<i>Enterococcus faecium</i>	36	43	0	0	10	86	8	0	-
7	<i>Staphylococcus haemolyticus</i>	23	0	0	0	0	0	35	17	0

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Enterococcus faecalis</i>	459	100	-	18	84	23	80	57	80
2	<i>Staphylococcus epidermidis</i>	345	100	0	29	64	60	0	49	99
3	<i>Staphylococcus saprophyticus</i>	198	-	-	33	75	100	50	70	100
4	<i>Streptococcus viridans, alpha-hem.</i>	75	-	-	-	77	33	-	84	100
5	<i>Staphylococcus aureus ss. aureus</i>	45	100	0	57	100	75	25	87	100
6	<i>Enterococcus faecium</i>	36	-	-	0	83	22	-	34	94
7	<i>Staphylococcus haemolyticus</i>	23	86	0	30	-	41	0	39	96

No	Bakteri	N	MEM %S	MNO %S	MFX %S	NIT %S	OXA %S	TZP %S	QDA %S
1	<i>Enterococcus faecalis</i>	459	10	100	64	76	3	62	0
2	<i>Staphylococcus epidermidis</i>	345	11	100	51	86	0	41	67
3	<i>Staphylococcus saprophyticus</i>	198	50	-	68	92	25	46	100
4	<i>Streptococcus viridans, alpha-hem.</i>	75	88	-	93	77	36	84	-
5	<i>Staphylococcus aureus ss. aureus</i>	45	50	100	81	89	57	33	100
6	<i>Enterococcus faecium</i>	36	11	-	22	70	9	14	12
7	<i>Staphylococcus haemolyticus</i>	23	0	100	35	100	0	0	96

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Enterococcus faecalis</i>	459	-	23	-	80	66	94
2	<i>Staphylococcus epidermidis</i>	345	67	53	0	92	58	83
3	<i>Staphylococcus saprophyticus</i>	198	100	44	50	90	67	100
4	<i>Streptococcus viridans, alpha-hem.</i>	75	-	44	-	91	63	-
5	<i>Staphylococcus aureus ss. aureus</i>	45	86	61	25	83	93	83
6	<i>Enterococcus faecium</i>	36	-	23	-	87	17	94
7	<i>Staphylococcus haemolyticus</i>	23	64	44	0	100	44	85

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



### C. SPESIMEN SPUTUM

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Streptococcus viridans, alpha-hem.</i>	315	-	40	100	40	75	40	50	100
2	<i>Staphylococcus aureus</i>	84	93	96	40	67	72	73	53	50
3	<i>Staphylococcus epidermidis</i>	69	63	67	0	0	62	31	0	-
4	<i>Staphylococcus saprophyticus</i>	24	32	33	-	0	50	26	0	-
5	<i>Enterococcus faecalis</i>	13	56	33	30	50	60	8	50	0

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Streptococcus viridans, alpha-hem.</i>	315	0	100	50	100	-	100	50	80
2	<i>Staphylococcus aureus</i>	84	100	50	76	-	94	50	84	100
3	<i>Staphylococcus epidermidis</i>	69	-	-	32	-	100	0	30	100
4	<i>Staphylococcus saprophyticus</i>	24	-	-	15	-	100	-	22	100
5	<i>Enterococcus faecalis</i>	13	60	100	9	-	0	100	58	83

No	Bakteri	N	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S
1	<i>Streptococcus viridans, alpha-hem.</i>	315	100	-	100	25	50	-
2	<i>Staphylococcus aureus</i>	84	50	100	76	56	58	75
3	<i>Staphylococcus epidermidis</i>	69	0	-	27	0	39	100
4	<i>Staphylococcus saprophyticus</i>	24	-	-	29	-	14	-
5	<i>Enterococcus faecalis</i>	13	0	100	58	18	29	0

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Streptococcus viridans, alpha-hem.</i>	315	-	0	-	100	40	100
2	<i>Staphylococcus aureus</i>	84	100	75	50	69	83	81
3	<i>Staphylococcus epidermidis</i>	69	0	68	0	79	54	-
4	<i>Staphylococcus saprophyticus</i>	24	-	83	-	77	43	0
5	<i>Enterococcus faecalis</i>	13	-	18	-	73	33	75

#### D. SPESIMEN PUS

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	117	93	97	100	100	79	81	96	100
2	<i>Staphylococcus epidermidis</i>	52	70	72	40	40	56	49	50	40
3	<i>Enterococcus faecalis</i>	28	70	0	26	32	56	14	-	55
4	<i>Streptococcus viridans, alpha-hem.</i>	25	100	-	38	60	88	39	-	80

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Staphylococcus aureus</i>	117	100	100	78	0	83	100	84	97
2	<i>Staphylococcus epidermidis</i>	52	100	40	35	-	50	40	59	100
3	<i>Enterococcus faecalis</i>	28	-	-	52	-	52	-	54	100
4	<i>Streptococcus viridans, alpha-hem.</i>	25	-	-	65	0	41	-	83	-

No	Bakteri	N	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S
1	<i>Staphylococcus aureus</i>	117	100	100	77	22	30	100
2	<i>Staphylococcus epidermidis</i>	52	50	100	58	20	71	100
3	<i>Enterococcus faecalis</i>	28	43	-	65	12	64	0
4	<i>Streptococcus viridans, alpha-hem.</i>	25	76	-	73	28	100	-

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	117	92	47	100	72	89	83
2	<i>Staphylococcus epidermidis</i>	52	60	82	40	88	56	100
3	<i>Enterococcus faecalis</i>	28	-	48	-	75	67	100
4	<i>Streptococcus viridans, alpha-hem.</i>	25	-	65	-	86	77	-

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## E. SPESIMEN CAIRAN TUBUH

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus epidermidis</i>	30	69	73	0	0	82	58	0	-
2	<i>Staphylococcus saprophyticus</i>	18	83	83	-	-	88	73	-	-
3	<i>Staphylococcus aureus</i>	18	88	83	83	83	67	56	86	-
4	<i>Streptococcus viridans, alpha-hem.</i>	18	100	-	46	60	80	25	-	100
5	<i>Enterococcus faecalis</i>	11	64	-	0	11	33	22	-	17

No	Bakteri	N	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S
1	<i>Staphylococcus epidermidis</i>	30	38	-	100	0	68	100	33	78
2	<i>Staphylococcus saprophyticus</i>	18	53	-	-	-	88	100	-	67
3	<i>Staphylococcus aureus</i>	18	76	-	86	83	76	100	83	69
4	<i>Streptococcus viridans, alpha-hem.</i>	18	50	100	46	-	71	100	69	91
5	<i>Enterococcus faecalis</i>	11	50	-	25	-	33	-	29	43

No	Bakteri	N	OXA %S	TZP %S	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus epidermidis</i>	30	0	78	100	50	73	0	89	77	-
2	<i>Staphylococcus saprophyticus</i>	18	-	50	-	-	82	-	75	100	-
3	<i>Staphylococcus aureus</i>	18	86	43	100	86	60	83	53	100	100
4	<i>Streptococcus viridans, alpha-hem.</i>	18	12	67	-	-	62	-	83	44	-
5	<i>Enterococcus faecalis</i>	11	9	83	-	-	43	-	46	14	-

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEPM**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik

## F. SPESIMEN FESES

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOX %S
1	<i>Staphylococcus aureus</i>	35	34	4	31	34	33	29	54	67
2	<i>Enterococcus faecalis</i>	16	100	50	25	40	40	38	25	40
3	<i>Staphylococcus haemolyticus</i>	11	0	0	0	0	-	18	20	-

No	Bakteri	N	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S
1	<i>Staphylococcus aureus</i>	35	0	54	39	34	37	97	34	40
2	<i>Enterococcus faecalis</i>	16	100	12	-	100	44	81	-	29
3	<i>Staphylococcus haemolyticus</i>	11	-	9	18	0	20	100	0	20

No	Bakteri	N	OXA %S	TZP %S	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	35	34	29	100	66	37	34	57	77	83
2	<i>Enterococcus faecalis</i>	16	60	25	0	-	12	-	56	40	78
3	<i>Staphylococcus haemolyticus</i>	11	0	0	100	70	64	0	71	60	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## II. RUANG RAWAT INAP NON INTENSIF

### A. SPESIMEN DARAH

No	Bakteri	N	AMC %S	FEP %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S
1	<i>Staphylococcus epidermidis</i>	159	37	14	40	12	12	66	29	31
2	<i>Staphylococcus aureus</i>	142	77	60	75	52	52	77	76	79
3	<i>Staphylococcus hominis</i>	58	8	8	5	8	8	100	39	28
4	<i>Staphylococcus haemolyticus</i>	41	3	3	0	3	3	50	11	31
5	<i>Staphylococcus saprophyticus</i>	33	50	13	52	0	0	61	17	33
6	<i>Enterococcus faecalis</i>	29	82	0	0	0	0	21	17	0
7	<i>Enterococcus faecium</i>	20	17	0	-	0	0	0	47	0
8	<i>Kocuria kristinae</i>	10	33	43	40	0	43	0	0	57
9	<i>Streptococcus viridans, alpha-hem.</i>	10	100	75	100	50	100	67	20	100

No	Bakteri	N	DOR %S	DOX %S	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Staphylococcus epidermidis</i>	159	6	100	7	22	47	12	35	100
2	<i>Staphylococcus aureus</i>	142	42	100	22	82	77	52	81	99
3	<i>Staphylococcus hominis</i>	58	12	100	12	7	96	8	39	98
4	<i>Staphylococcus haemolyticus</i>	41	0	100	0	5	22	3	14	97
5	<i>Staphylococcus saprophyticus</i>	33	100	-	-	23	67	0	37	100
6	<i>Enterococcus faecalis</i>	29	0	100	-	8	6	100	35	86
7	<i>Enterococcus faecium</i>	20	0	-	-	5	0	100	45	94
8	<i>Kocuria kristinae</i>	10	0	100	0	20	100	33	25	71
9	<i>Streptococcus viridans, alpha-hem.</i>	10	100	100	100	75	75	100	100	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S
1	<i>Staphylococcus epidermidis</i>	159	12	100	37	18	28	100
2	<i>Staphylococcus aureus</i>	142	52	100	81	54	38	94
3	<i>Staphylococcus hominis</i>	58	8	100	38	8	11	96
4	<i>Staphylococcus haemolyticus</i>	41	3	100	16	3	0	97
5	<i>Staphylococcus saprophyticus</i>	33	0	-	38	0	56	100
6	<i>Enterococcus faecalis</i>	29	6	100	45	0	33	0
7	<i>Enterococcus faecium</i>	20	0	-	47	0	33	6
8	<i>Kocuria kristinae</i>	10	0	-	20	0	0	0
9	<i>Streptococcus viridans, alpha-hem.</i>	10	100	-	100	60	100	-

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus epidermidis</i>	159	67	74	12	93	43	82
2	<i>Staphylococcus aureus</i>	142	87	60	52	79	84	85
3	<i>Staphylococcus hominis</i>	58	70	59	8	89	40	81
4	<i>Staphylococcus haemolyticus</i>	41	60	76	3	80	60	72
5	<i>Staphylococcus saprophyticus</i>	33	100	86	0	94	74	100
6	<i>Enterococcus faecalis</i>	29	-	13	-	76	50	67
7	<i>Enterococcus faecium</i>	20	-	35	-	75	100	93
8	<i>Kocuria kristinae</i>	10	0	0	0	100	50	67
9	<i>Streptococcus viridans, alpha-hem.</i>	10	-	100	-	100	71	-

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## B. SPESIMEN URINE

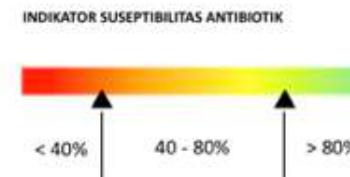
No	Bakteri	N	AMK %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Enterococcus faecalis</i>	339	8	7	6	8	58	14	3	-
2	<i>Staphylococcus epidermidis</i>	96	-	49	20	17	55	34	0	0
3	<i>Enterococcus faecium</i>	88	7	0	6	4	100	16	0	-
4	<i>Staphylococcus saprophyticus</i>	34	0	64	0	0	60	54	50	-
5	<i>Staphylococcus haemolyticus</i>	29	-	0	4	4	-	31	28	9
6	<i>Streptococcus viridans, alpha-hem.</i>	24	31	-	17	40	67	29	-	-
7	<i>Staphylococcus aureus</i>	10	-	50	75	75	-	88	100	-

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Enterococcus faecalis</i>	339	67	25	11	89	10	72	29	80
2	<i>Staphylococcus epidermidis</i>	96	100	0	20	74	20	20	49	100
3	<i>Enterococcus faecium</i>	88	75	0	4	69	25	0	22	91
4	<i>Staphylococcus saprophyticus</i>	34	-	-	50	83	100	0	67	92
5	<i>Staphylococcus haemolyticus</i>	29	100	9	21	-	38	4	31	100
6	<i>Streptococcus viridans, alpha-hem.</i>	24	-	-	-	80	44	-	86	-
7	<i>Staphylococcus aureus</i>	10	-	-	100	100	86	75	88	88

No	Bakteri	N	MEM %S	MNO %S	MFX %S	NIT %S	OXA %S	TZP %S	QDA %S
1	<i>Enterococcus faecalis</i>	339	10	100	26	65	1	42	0
2	<i>Staphylococcus epidermidis</i>	96	20	100	47	87	20	23	100
3	<i>Enterococcus faecium</i>	88	9	100	28	34	3	19	31
4	<i>Staphylococcus saprophyticus</i>	34	0	-	75	92	0	14	100
5	<i>Staphylococcus haemolyticus</i>	29	4	100	31	100	3	6	97
6	<i>Streptococcus viridans, alpha-hem.</i>	24	70	-	86	53	20	50	-
7	<i>Staphylococcus aureus</i>	10	75	-	88	100	86	100	100

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Enterococcus faecalis</i>	339	-	14	-	86	46	77
2	<i>Staphylococcus epidermidis</i>	96	80	65	20	89	73	67
3	<i>Enterococcus faecium</i>	88	-	29	-	98	35	94
4	<i>Staphylococcus saprophyticus</i>	34	100	57	0	93	75	-
5	<i>Staphylococcus haemolyticus</i>	29	72	62	4	94	48	81
6	<i>Streptococcus viridans, alpha-hem.</i>	24	-	54	-	73	75	-
7	<i>Staphylococcus aureus</i>	10	86	57	75	75	100	67

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



### C. SPESIMEN SPUTUM

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Streptococcus viridans, alpha-hem.</i>	267	100	48	67	48	67	27	71	100
2	<i>Staphylococcus epidermidis</i>	108	36	39	0	0	62	19	44	0
3	<i>Staphylococcus aureus</i>	105	73	78	58	50	81	71	78	62
4	<i>Enterococcus faecalis</i>	87	62	8	24	26	56	19	32	50
5	<i>Staphylococcus, coagulase negative</i>	85	0	4	2	1	57	8	27	0
6	<i>Staphylococcus haemolyticus</i>	61	0	3	2	4	65	6	46	0
7	<i>Staphylococcus saprophyticus</i>	33	29	31	0	0	59	27	50	-
8	<i>Streptococcus mitis</i>	17	-	-	-	33	-	-	27	-
9	<i>Streptococcus parasanguinis</i>	15	-	-	-	36	-	-	9	-

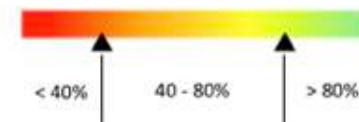
No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Streptococcus viridans, alpha-hem.</i>	267	50	67	61	-	25	96	77	83
2	<i>Staphylococcus epidermidis</i>	108	100	0	19	-	62	0	19	99
3	<i>Staphylococcus aureus</i>	105	89	62	77	-	88	50	77	99
4	<i>Enterococcus faecalis</i>	87	48	31	15	40	0	87	39	70
5	<i>Staphylococcus, coagulase negative</i>	85	71	0	19	-	11	5	12	93
6	<i>Staphylococcus haemolyticus</i>	61	70	0	14	-	39	3	7	100
7	<i>Staphylococcus saprophyticus</i>	33	-	-	11	-	100	0	27	100
8	<i>Streptococcus mitis</i>	17	100	-	13	-	-	-	73	100
9	<i>Streptococcus parasanguinis</i>	15	-	-	9	-	-	-	67	100

No	Bakteri	N	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S
1	<i>Streptococcus viridans, alpha-hem.</i>	267	75	-	75	60	67	-
2	<i>Staphylococcus epidermidis</i>	108	0	100	25	3	30	97
3	<i>Staphylococcus aureus</i>	105	64	100	71	56	44	94
4	<i>Enterococcus faecalis</i>	87	36	-	33	16	33	0
5	<i>Staphylococcus, coagulase negative</i>	85	0	-	11	2	0	-
6	<i>Staphylococcus haemolyticus</i>	61	0	100	4	2	0	95
7	<i>Staphylococcus saprophyticus</i>	33	0	-	35	50	9	100
8	<i>Streptococcus mitis</i>	17	-	100	-	-	-	-
9	<i>Streptococcus parasanguinis</i>	15	-	-	-	-	100	-

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Streptococcus viridans, alpha-hem.</i>	267	-	26	-	53	57	57
2	<i>Staphylococcus epidermidis</i>	108	59	57	0	85	37	89
3	<i>Staphylococcus aureus</i>	105	94	59	60	85	76	91
4	<i>Enterococcus faecalis</i>	87	-	33	-	76	35	89
5	<i>Staphylococcus, coagulase negative</i>	85	-	61	-	76	24	84
6	<i>Staphylococcus haemolyticus</i>	61	43	65	0	73	40	72
7	<i>Staphylococcus saprophyticus</i>	33	50	70	0	79	56	100
8	<i>Streptococcus mitis</i>	17	-	40	-	-	-	82
9	<i>Streptococcus parasanguinis</i>	15	-	0	-	-	-	91

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



#### D. SPESIMEN PUS

No	Bakteri	N	AMK %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	115	0	72	27	25	80	71	82	27
2	<i>Staphylococcus epidermidis</i>	43	-	74	40	40	83	44	15	40
3	<i>Enterococcus faecalis</i>	23	17	-	8	15	17	30	0	14
4	<i>Enterococcus faecium</i>	10	0	-	-	-	-	71	0	0
5	<i>Streptococcus viridans, alpha-hem.</i>	10	43	-	43	67	83	17	-	100

No	Bakteri	N	DOX %S	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S
1	<i>Staphylococcus aureus</i>	115	100	27	77	80	27	81	99	27
2	<i>Staphylococcus epidermidis</i>	43	100	40	26	52	40	48	100	40
3	<i>Enterococcus faecalis</i>	23	100	-	9	8	100	36	88	15
4	<i>Enterococcus faecium</i>	10	-	-	29	-	-	88	100	-
5	<i>Streptococcus viridans, alpha-hem.</i>	10	-	-	70	57	-	90	-	88

No	Bakteri	N	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S	RIF %S
1	<i>Staphylococcus aureus</i>	115	100	77	60	34	100	92
2	<i>Staphylococcus epidermidis</i>	43	100	49	11	67	100	74
3	<i>Enterococcus faecalis</i>	23	100	58	0	57	0	-
4	<i>Enterococcus faecium</i>	10	-	100	0	0	14	-
5	<i>Streptococcus viridans, alpha-hem.</i>	10	-	75	50	67	-	-

No	Bakteri	N	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	115	62	27	83	78	97
2	<i>Staphylococcus epidermidis</i>	43	83	40	92	43	93
3	<i>Enterococcus faecalis</i>	23	19	-	67	43	100
4	<i>Enterococcus faecium</i>	10	40	-	67	50	100
5	<i>Streptococcus viridans, alpha-hem.</i>	10	43	-	70	60	-

## E. SPESIMEN CAIRAN TUBUH

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S
1	<i>Staphylococcus epidermidis</i>	31	38	39	0	0	71	56	42
2	<i>Staphylococcus aureus</i>	28	72	80	62	62	100	75	81
3	<i>Enterococcus faecalis</i>	19	53	0	0	0	17	0	0
4	<i>Streptococcus viridans, alpha-hem.</i>	11	89	-	0	38	50	20	-

No	Bakteri	N	DOR %S	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Staphylococcus epidermidis</i>	31	0	0	33	75	0	64	100
2	<i>Staphylococcus aureus</i>	28	-	-	88	86	62	72	100
3	<i>Enterococcus faecalis</i>	19	8	0	7	0	100	20	100
4	<i>Streptococcus viridans, alpha-hem.</i>	11	57	-	38	20	-	56	-

No	Bakteri	N	MEM %S	MFX %S	OXA %S	TZP %S	QDA %S	RIF %S
1	<i>Staphylococcus epidermidis</i>	31	0	83	17	27	100	83
2	<i>Staphylococcus aureus</i>	28	57	85	50	18	100	80
3	<i>Enterococcus faecalis</i>	19	0	25	0	33	-	-
4	<i>Streptococcus viridans, alpha-hem.</i>	11	71	71	10	33	-	-

No	Bakteri	N	DOX %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus epidermidis</i>	31	-	80	0	80	61	100
2	<i>Staphylococcus aureus</i>	28	0	71	57	68	87	100
3	<i>Enterococcus faecalis</i>	19	0	14	-	14	0	100
4	<i>Streptococcus viridans, alpha-hem.</i>	11	-	50	-	50	33	-

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## F. SPESIMEN FESES

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S	DOX %S
1	<i>Enterococcus faecalis</i>	53	51	0	4	0	48	3	0	6	100
2	<i>Enterococcus faecium</i>	10	20	0	0	0	100	30	14	-	0

No	Bakteri	N	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S	NET %S
1	<i>Enterococcus faecalis</i>	53	0	4	17	50	17	80	6	24	100
2	<i>Enterococcus faecium</i>	10	-	0	0	50	30	100	0	17	-

No	Bakteri	N	OXA %S	TZP %S	QDA %S	TCY %S	TGC %S	SXT %S	VAN %S
1	<i>Enterococcus faecalis</i>	53	0	19	0	16	74	17	50
2	<i>Enterococcus faecium</i>	10	0	60	60	10	100	0	100

## G. SPESIMEN SWAB

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOX %S
1	<i>Staphylococcus aureus</i>	37	57	17	57	58	50	43	57	50
2	<i>Enterococcus faecalis</i>	12	80	0	50	33	50	17	0	50

No	Bakteri	N	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S
1	<i>Staphylococcus aureus</i>	37	-	57	49	60	46	100	57	49
2	<i>Enterococcus faecalis</i>	12	100	8	0	83	42	91	0	60

No	Bakteri	N	OXA %S	TZP %S	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	37	60	20	100	89	38	57	53	70	75
2	<i>Enterococcus faecalis</i>	12	50	50	0	-	17	-	50	0	50

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

### III. RUANG RAWAT INAP INTENSIF

#### A. SPESIMEN DARAH

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S	DOX %S
1	<i>Staphylococcus epidermidis</i>	125	12	14	1	1	58	33	8	2	100
2	<i>Staphylococcus haemolyticus</i>	48	2	0	2	2	0	12	12	0	100
3	<i>Staphylococcus aureus</i>	43	73	77	71	71	75	80	93	43	100
4	<i>Staphylococcus hominis</i>	40	13	0	13	13	-	42	25	9	100
5	<i>Enterococcus faecalis</i>	17	79	-	0	0	0	35	0	0	100
6	<i>Staphylococcus saprophyticus</i>	16	13	7	14	14	50	20	43	100	100

No	Bakteri	N	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MNO %S	MFX %S
1	<i>Staphylococcus epidermidis</i>	125	2	8	25	1	35	97	1	100	35
2	<i>Staphylococcus haemolyticus</i>	48	0	15	15	2	12	98	2	100	13
3	<i>Staphylococcus aureus</i>	43	50	93	82	71	90	100	71	100	90
4	<i>Staphylococcus hominis</i>	40	9	20	82	13	48	95	13	100	48
5	<i>Enterococcus faecalis</i>	17	-	18	0	90	59	85	0	100	50
6	<i>Staphylococcus saprophyticus</i>	16	50	12	57	17	27	100	14	100	27

No	Bakteri	N	OXA %S	TZP %S	QDA %S	RIF %S
1	<i>Staphylococcus epidermidis</i>	125	1	8	98	64
2	<i>Staphylococcus haemolyticus</i>	48	2	0	98	47
3	<i>Staphylococcus aureus</i>	43	70	50	100	89
4	<i>Staphylococcus hominis</i>	40	13	7	95	68
5	<i>Enterococcus faecalis</i>	17	0	83	0	-
6	<i>Staphylococcus saprophyticus</i>	16	14	20	100	71

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus epidermidis</i>	125	70	1	89	31	82
2	<i>Staphylococcus haemolyticus</i>	48	68	2	64	69	67
3	<i>Staphylococcus aureus</i>	43	60	71	76	90	85
4	<i>Staphylococcus hominis</i>	40	60	13	86	42	79
5	<i>Enterococcus faecalis</i>	17	13	-	85	-	91
6	<i>Staphylococcus saprophyticus</i>	16	64	17	69	30	100

## B. SPESIMEN URINE

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOX %S
1	<i>Enterococcus faecalis</i>	62	79	0	0	0	67	22	0	0
2	<i>Enterococcus faecium</i>	12	17	-	-	0	-	12	0	-

No	Bakteri	N	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S
1	<i>Enterococcus faecalis</i>	62	0	3	75	25	79	34	86	0
2	<i>Enterococcus faecium</i>	12	-	0	100	-	0	20	88	0

No	Bakteri	N	MFX %S	NIT %S	OXA %S	TZP %S	QDA %S	TCY %S	TGC %S	SXT %S	VAN %S
1	<i>Enterococcus faecalis</i>	62	32	72	0	46	0	6	88	24	94
2	<i>Enterococcus faecium</i>	12	17	20	0	0	38	18	83	50	88

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

### C. SPESIMEN SPUTUM

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Streptococcus viridans</i>	174	100	33	54	42	75	46	64	100
2	<i>Staphylococcus aureus</i>	80	91	80	56	57	86	80	79	40
3	<i>Staphylococcus, coagulase negative</i>	76	-	2	1	1	36	6	11	0
4	<i>Enterococcus faecalis</i>	73	67	8	10	13	53	21	12	0
5	<i>Staphylococcus epidermidis</i>	46	47	46	50	50	68	39	38	60
6	<i>Staphylococcus haemolyticus</i>	38	0	7	6	10	68	3	32	0
7	<i>Staphylococcus saprophyticus</i>	11	20	27	-	-	62	44	-	-

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Streptococcus viridans</i>	174	20	100	50	-	0	88	79	83
2	<i>Staphylococcus aureus</i>	80	100	50	88	-	85	57	88	99
3	<i>Staphylococcus, coagulase negative</i>	76	54	0	10	0	0	2	7	90
4	<i>Enterococcus faecalis</i>	73	50	15	14	20	15	91	39	50
5	<i>Staphylococcus epidermidis</i>	46	100	50	26	-	60	60	42	100
6	<i>Staphylococcus haemolyticus</i>	38	46	0	11	-	0	8	3	86
7	<i>Staphylococcus saprophyticus</i>	11	-	-	0	-	-	-	36	100

No	Bakteri	N	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S	RIF %S
1	<i>Streptococcus viridans</i>	174	75	-	86	31	57	-	-
2	<i>Staphylococcus aureus</i>	80	62	100	86	80	50	100	100
3	<i>Staphylococcus, coagulase negative</i>	76	0	-	6	1	0	-	-
4	<i>Enterococcus faecalis</i>	73	19	-	21	10	30	0	-
5	<i>Staphylococcus epidermidis</i>	46	60	100	49	18	46	100	75
6	<i>Staphylococcus haemolyticus</i>	38	0	100	3	5	0	100	38
7	<i>Staphylococcus saprophyticus</i>	11	-	-	38	-	20	-	-

No	Bakteri	N	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Streptococcus viridans</i>	174	10	-	75	50	100
2	<i>Staphylococcus aureus</i>	80	52	62	84	90	96
3	<i>Staphylococcus, coagulase negative</i>	76	34	-	81	25	67
4	<i>Enterococcus faecalis</i>	73	24	-	62	39	82
5	<i>Staphylococcus epidermidis</i>	46	78	60	93	48	90
6	<i>Staphylococcus haemolyticus</i>	38	50	0	86	35	91
7	<i>Staphylococcus saprophyticus</i>	11	82	-	100	71	-

#### D. SPESIMEN PUS

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	10	67	50	67	67	-	80	80	67

No	Bakteri	N	DOX %S	ETP %S	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S
1	<i>Staphylococcus aureus</i>	10	100	67	80	90	67	89	100	67

No	Bakteri	N	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S
1	<i>Staphylococcus aureus</i>	10	100	80	44	67	100

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	10	100	56	67	100	100	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



**DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI  
GRAM NEGATIF DARI BERBAGAI SPESIMEN  
BERDASARKAN KATEGORI RUANG PERAWATAN DI  
RUMAH SAKIT TIPE B**

**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



## BAB V

### DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM NEGATIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE B TAHUN 2018

#### I. RUANG RAWAT JALAN

##### A. SPESIMEN URINE

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S	CRO %S
1	<i>Escherichia coli</i>	413	91	52	16	32	54	61	52	53	50
2	<i>Klebsiella pneumoniae</i>	115	92	44	0	41	51	61	48	52	46
3	<i>Enterobacter cloacae</i>	35	100	33	0	15	42	60	31	40	27
4	<i>Pseudomonas aeruginosa</i>	31	77	0	0	0	36	75	11	62	12
5	<i>Acinetobacter baumannii</i>	23	93	33	0	95	0	67	0	69	14
6	<i>Proteus mirabilis</i>	22	94	50	50	47	85	88	75	83	79
7	<i>Morganella morganii</i>	10	100	-	0	12	67	88	86	67	88

No	Bakteri	N	CXM %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	413	33	72	40	99	50	97	95	78
2	<i>Klebsiella pneumoniae</i>	115	44	62	49	94	33	96	72	72
3	<i>Enterobacter cloacae</i>	35	100	80	55	100	-	68	86	72
4	<i>Pseudomonas aeruginosa</i>	31	0	14	54	100	0	-	71	67
5	<i>Acinetobacter baumannii</i>	23	100	0	67	90	100	-	50	71
6	<i>Proteus mirabilis</i>	22	25	0	53	100	-	73	80	65
7	<i>Morganella morganii</i>	10	-	-	75	100	-	100	50	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	IPM %S	LVX %S	MEM %S	NIT %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	413	83	46	97	91	83	35	100	40
2	<i>Klebsiella pneumoniae</i>	115	90	59	93	37	75	47	84	53
3	<i>Enterobacter cloacae</i>	35	100	60	85	41	50	60	91	50
4	<i>Pseudomonas aeruginosa</i>	31	75	17	81	0	53	0	0	0
5	<i>Acinetobacter baumannii</i>	23	100	90	90	0	78	-	94	90
6	<i>Proteus mirabilis</i>	22	33	44	95	6	86	0	7	33
7	<i>Morganella morganii</i>	10	-	100	100	0	100	-	0	88

## B. SPESIMEN SPUTUM

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	150	92	86	0	60	70	79	72	76
2	<i>Pseudomonas aeruginosa</i>	51	93	0	0	0	47	95	14	86
3	<i>Escherichia coli</i>	19	85	0	18	24	46	53	67	33
4	<i>Enterobacter cloacae</i>	18	100	20	0	27	83	75	62	73
5	<i>Acinetobacter baumannii</i>	17	82	33	0	79	0	79	29	82
6	<i>Stenotrophomonas maltophilia</i>	13	-	-	-	-	-	-	-	-

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	150	69	70	74	67	100	96	83	81
2	<i>Pseudomonas aeruginosa</i>	51	4	20	76	67	0	-	40	83
3	<i>Escherichia coli</i>	19	56	50	33	100	-	100	-	80
4	<i>Enterobacter cloacae</i>	18	89	100	86	100	50	92	100	82
5	<i>Acinetobacter baumannii</i>	17	20	0	100	100	100	-	100	81
6	<i>Stenotrophomonas maltophilia</i>	13	-	-	-	-	-	-	-	-

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	150	89	84	97	81	75	89	71
2	<i>Pseudomonas aeruginosa</i>	51	80	75	78	68	50	9	6
3	<i>Escherichia coli</i>	19	0	33	100	80	50	100	41
4	<i>Enterobacter cloacae</i>	18	100	67	100	86	0	100	88
5	<i>Acinetobacter baumannii</i>	17	100	60	81	62	50	78	93
6	<i>Stenotrophomonas maltophilia</i>	13	-	86	-	-	-	-	67

### C. SPESIMEN PUS

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	FOX %S	CAZ %S
1	<i>Escherichia coli</i>	112	88	41	7	36	39	61	40	46	38
2	<i>Pseudomonas aeruginosa</i>	88	83	35	0	0	49	72	26	-	68
3	<i>Klebsiella pneumoniae</i>	77	91	65	2	34	40	51	39	25	45
4	<i>Acinetobacter baumannii</i>	29	71	29	0	69	0	60	0	0	46
5	<i>Proteus mirabilis</i>	25	100	67	50	52	42	60	90	100	50
6	<i>Enterobacter cloacae</i>	15	80	29	0	18	17	50	44	0	50

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	112	42	53	34	90	20	94	82	70
2	<i>Pseudomonas aeruginosa</i>	88	22	0	65	83	-	-	0	69
3	<i>Klebsiella pneumoniae</i>	77	44	67	56	75	67	88	80	57
4	<i>Acinetobacter baumannii</i>	29	8	33	33	100	100	-	0	58
5	<i>Proteus mirabilis</i>	25	53	50	56		-	76	100	67
6	<i>Enterobacter cloacae</i>	15	40	100	86	100	67	100	100	69

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	112	43	36	91	74	32	97	42
2	<i>Pseudomonas aeruginosa</i>	88	62	77	78	60	0	0	2
3	<i>Klebsiella pneumoniae</i>	77	67	69	87	62	31	83	40
4	<i>Acinetobacter baumannii</i>	29	60	40	80	52	33	71	72
5	<i>Proteus mirabilis</i>	25	0	67	88	85	0	5	39
6	<i>Enterobacter cloacae</i>	15	75	80	85	75	100	83	56

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## II. RUANG RAWAT INAP NON INTENSIF

### A. SPESIMEN DARAH

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Salmonella sp.</i>	446	0	100	67	80	100	100	100	100
2	<i>Klebsiella pneumoniae</i>	152	62	41	0	15	15	22	15	16
3	<i>Escherichia coli</i>	123	77	38	11	25	34	37	32	35
4	<i>Acinetobacter baumannii</i>	72	46	22	0	51	0	31	44	40
5	<i>Pseudomonas aeruginosa</i>	38	58	25	0	8	11	50	23	40
6	<i>Salmonella Typhi</i>	26	20	100	100	100	100	100	100	100
7	<i>Enterobacter cloacae</i>	21	50	15	0	9	33	38	67	46
8	<i>Burkholderia cepacia</i>	14	23	17	0	8	0	27	29	70
9	<i>Klebsiella aerogenes</i>	13	54	27	0	22	60	46	20	46
10	<i>Salmonella Paratyphi A</i>	13	0	100	100	100	100	100	100	100
11	<i>Sphingomonas paucimobilis</i>	12	89	67	43	75	40	83	33	30
12	<i>Chryseomonas luteola</i>	11	80	46	0	44	-	17	36	64
13	<i>Serratia marcescens</i>	11	80	14	0	0	80	78	43	73

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Salmonella sp.</i>	446	100	-	50	100	100	100	-	0
2	<i>Klebsiella pneumoniae</i>	152	14	50	50	83	0	59	88	29
3	<i>Escherichia coli</i>	123	28	50	34	100	20	81	91	57
4	<i>Acinetobacter baumannii</i>	72	13	28	38	100	67	24	0	46
5	<i>Pseudomonas aeruginosa</i>	38	23	15	50	50	0	9	50	58
6	<i>Salmonella Typhi</i>	26	100	100	100	-	-	100	100	33
7	<i>Enterobacter cloacae</i>	21	41	29	56	100	100	58	75	50
8	<i>Burkholderia cepacia</i>	14	30	100	17	-	-	0	80	23
9	<i>Klebsiella aerogenes</i>	13	0	86	82	-	-	67	100	33
10	<i>Salmonella Paratyphi A</i>	13	100	-	100	-	-	100	-	0
11	<i>Sphingomonas paucimobilis</i>	12	57	-	100	-	100	100	100	80
12	<i>Chryseomonas luteola</i>	11	22	43	29	-	100	-	40	54
13	<i>Serratia marcescens</i>	11	64	50	78	100	100	100	100	78

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Salmonella</i> sp.	446	100	100	100	100	-	100	100
2	<i>Klebsiella pneumoniae</i>	152	78	72	67	35	40	66	46
3	<i>Escherichia coli</i>	123	90	31	86	74	26	79	35
4	<i>Acinetobacter baumannii</i>	72	44	54	45	56	11	42	66
5	<i>Pseudomonas aeruginosa</i>	38	67	60	64	69	0	0	0
6	<i>Salmonella Typhi</i>	26	100	100	100	100	-	100	100
7	<i>Enterobacter cloacae</i>	21	60	80	58	86	9	27	40
8	<i>Burkholderia cepacia</i>	14	20	100	67	43	20	0	83
9	<i>Klebsiella aerogenes</i>	13	83	83	75	60	50	100	83
10	<i>Salmonella Paratyphi A</i>	13	-	-	100	100	-	100	100
11	<i>Sphingomonas paucimobilis</i>	12	0	75	62	60	100	83	71
12	<i>Chryseomonas luteola</i>	11	56	64	78	100	20	-	86
13	<i>Serratia marcescens</i>	11	60	100	78	80	0	100	75

## B. SPESIMEN URINE

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	712	91	53	16	27	50	52	46	48
2	<i>Klebsiella pneumoniae</i>	235	89	62	1	33	40	44	41	42
3	<i>Pseudomonas aeruginosa</i>	82	82	26	0	2	43	75	20	62
4	<i>Acinetobacter baumannii</i>	78	70	33	0	62	0	45	12	40
5	<i>Proteus mirabilis</i>	39	93	83	61	76	85	89	88	88
6	<i>Enterobacter cloacae</i>	34	87	50	0	10	44	61	50	48
7	<i>Klebsiella aerogenes</i>	16	100	44	0	42	50	92	30	75
8	<i>Citrobacter freundii</i>	14	86	67	0	8	38	46	75	71
9	<i>Burkholderia cepacia</i>	13	50	0	0	0	50	62	100	100
10	<i>Morganella morganii</i>	12	100	0	0	0	78	100	88	80

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	712	47	59	42	99	47	96	95	73
2	<i>Klebsiella pneumoniae</i>	235	40	63	50	99	40	89	91	64
3	<i>Pseudomonas aeruginosa</i>	82	6	0	71	74	0	0	42	74
4	<i>Acinetobacter baumannii</i>	78	12	50	43	69	100	0	11	45
5	<i>Proteus mirabilis</i>	39	88	40	50	100	-	93	67	82
6	<i>Enterobacter cloacae</i>	34	43	20	71	88	-	81	83	74
7	<i>Klebsiella aerogenes</i>	16	43	80	67	100	-	100	100	67
8	<i>Citrobacter freundii</i>	14	40	0	60	100	-	92	100	36
9	<i>Burkholderia cepacia</i>	13	50	50	40	50	-	-	0	36
10	<i>Morganella morganii</i>	12	78	-	89	100	-	89	-	78

No	Bakteri	N	IPM %S	LVX %S	MEM %S	NIT %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	712	87	45	96	89	76	26	98	41
2	<i>Klebsiella pneumoniae</i>	235	85	58	89	24	58	50	81	46
3	<i>Pseudomonas aeruginosa</i>	82	69	69	73	2	61	0	4	4
4	<i>Acinetobacter baumannii</i>	78	56	49	75	6	44	10	82	70
5	<i>Proteus mirabilis</i>	39	67	68	97	0	90	0	0	45
6	<i>Enterobacter cloacae</i>	34	50	75	83	42	62	40	95	56
7	<i>Klebsiella aerogenes</i>	16	100	75	100	38	57	33	100	46
8	<i>Citrobacter freundii</i>	14	100	80	93	92	82	0	90	50
9	<i>Burkholderia cepacia</i>	13	-	75	56	0	14	0	14	30
10	<i>Morganella morganii</i>	12	-	100	100	0	100	-	11	80

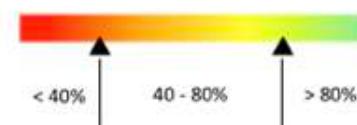
Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

### C. SPESIMEN SPUTUM

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	732	89	61	1	51	53	63	50	55
2	<i>Acinetobacter baumannii</i>	351	77	26	0	63	1	57	21	51
3	<i>Pseudomonas aeruginosa</i>	293	74	14	1	5	41	67	13	65
4	<i>Escherichia coli</i>	155	89	43	5	29	21	38	18	28
5	<i>Enterobacter cloacae</i>	150	90	34	5	28	62	75	44	64
6	<i>Stenotrophomonas maltophilia</i>	55	25	0	0	0	0	100	25	50
7	<i>Klebsiella aerogenes</i>	43	85	25	11	46	56	78	53	68
8	<i>Chryseomonas luteola</i>	34	84	38	50	63	67	79	32	87
9	<i>Sphingomonas paucimobilis</i>	30	88	0	77	90	59	87	100	72
10	<i>Serratia marcescens</i>	27	100	38	0	20	92	96	56	78
11	<i>Acinetobacter sp.</i>	22	63	0	-	56	67	50	10	69
12	<i>Klebsiella oxytoca</i>	14	100	60	0	60	89	82	82	91
13	<i>Acinetobacter junii</i>	13	100	-	58	92	92	100	-	85
14	<i>Acinetobacter lwoffii</i>	11	100	-	71	100	71	89	50	78
15	<i>Proteus mirabilis</i>	11	100	100	67	67	83	89	88	100
16	<i>Klebsiella pneumoniae</i>	10	62	0	0	20	29	50	11	33
17	<i>Burkholderia cepacia</i>	10	40	0	0	0	0	100	0	60

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

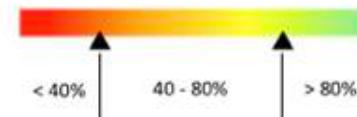
INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	732	51	76	61	86	22	90	79	76
2	<i>Acinetobacter baumannii</i>	351	11	9	55	57	71	8	64	60
3	<i>Pseudomonas aeruginosa</i>	293	12	7	64	80	0	10	62	66
4	<i>Escherichia coli</i>	155	18	67	21	83	100	91	88	60
5	<i>Enterobacter cloacae</i>	150	52	62	78	100	50	83	85	74
6	<i>Stenotrophomonas maltophilia</i>	55	0	0	100	0	-	0	0	33
7	<i>Klebsiella aerogenes</i>	43	61	75	73	100	-	87	80	83
8	<i>Chryseomonas luteola</i>	34	30	32	68	100	-	-	65	82
9	<i>Sphingomonas paucimobilis</i>	30	76	100	56	-	0	89	-	79
10	<i>Serratia marcescens</i>	27	83	64	85	100	-	92	67	77
11	<i>Acinetobacter sp.</i>	22	62	-	53	67	-	-	0	43
12	<i>Klebsiella oxytoca</i>	14	90	67	100	100	-	100	67	100
13	<i>Acinetobacter junii</i>	13	83	-	69	-	-	-	-	92
14	<i>Acinetobacter lwoffii</i>	11	67	-	89	100	100	-	-	80
15	<i>Proteus mirabilis</i>	11	100	100	83	100	-	83	100	80
16	<i>Klebsiella pneumoniae</i>	10	14	0	71	50	-	67	67	70
17	<i>Burkholderia cepacia</i>	10	0	0	25	-	-	-	50	40

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	732	78	62	90	69	59	86	64
2	<i>Acinetobacter baumannii</i>	351	76	47	64	41	40	76	72
3	<i>Pseudomonas aeruginosa</i>	293	81	58	66	48	3	8	8
4	<i>Escherichia coli</i>	155	93	24	91	69	32	97	34
5	<i>Enterobacter cloacae</i>	150	89	85	91	75	58	91	73
6	<i>Stenotrophomonas maltophilia</i>	55	0	76	0	0	0	-	59
7	<i>Klebsiella aerogenes</i>	43	85	67	95	77	54	100	73
8	<i>Chryseomonas luteola</i>	34	84	71	87	100	50	80	59
9	<i>Sphingomonas paucimobilis</i>	30	100	29	75	86	100	91	71
10	<i>Serratia marcescens</i>	27	90	75	96	85	0	100	91
11	<i>Acinetobacter sp.</i>	22	100	71	77	73	70	100	77
12	<i>Klebsiella oxytoca</i>	14	100	67	100	100	67	100	60
13	<i>Acinetobacter junii</i>	13	-	100	100	0	100	100	83
14	<i>Acinetobacter lwoffii</i>	11	0	50	80	67	100	100	88
15	<i>Proteus mirabilis</i>	11	100	50	100	100	0	0	75
16	<i>Klebsiella pneumoniae</i>	10	0	25	80	100	33	80	56
17	<i>Burkholderia cepacia</i>	10	-	50	67	33	100	67	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK

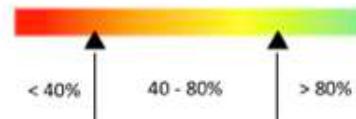


#### D. SPESIMEN PUS

No	Organism	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	639	96	59	9	26	38	46	40	38
2	<i>Klebsiella pneumoniae</i>	387	92	61	3	38	49	52	41	44
3	<i>Pseudomonas aeruginosa</i>	236	81	20	0	2	34	59	16	56
4	<i>Acinetobacter baumannii</i>	185	67	41	0	28	0	10	6	5
5	<i>Proteus mirabilis</i>	128	97	77	28	43	56	59	64	57
6	<i>Enterobacter cloacae</i>	60	94	54	0	8	31	50	27	35
7	<i>Providencia stuartii</i>	26	95	22	0	19	59	80	8	50
8	<i>Klebsiella aerogenes</i>	24	100	29	0	4	43	55	12	39
9	<i>Burkholderia cepacia</i>	19	62	0	0	7	9	69	0	69
10	<i>Sphingomonas paucimobilis</i>	19	50	100	12	29	30	60	50	33
11	<i>Morganella morganii</i>	18	93	0	0	0	80	94	100	80
12	<i>Citrobacter freundii</i>	13	88	33	0	8	33	56	40	33
13	<i>Serratia fonticola</i>	11	82	50	9	43	20	43	20	27
14	<i>Aeromonas hydrophila</i>	10	100	40	0	12	50	62	60	57
15	<i>Klebsiella oxytoca</i>	10	89	50	0	33	75	67	71	78

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



No	Organism	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	639	34	67	38	96	33	96	87	64
2	<i>Klebsiella pneumoniae</i>	387	45	56	55	88	21	89	81	60
3	<i>Pseudomonas aeruginosa</i>	236	15	2	64	20	0	25	46	64
4	<i>Acinetobacter baumannii</i>	185	1	0	8	0	20	0	67	15
5	<i>Proteus mirabilis</i>	128	42	36	42	-	0	72	62	49
6	<i>Enterobacter cloacae</i>	60	29	67	60	100	25	62	86	59
7	<i>Providencia stuartii</i>	26	38	0	62	-	0	91	-	4
8	<i>Klebsiella aerogenes</i>	24	41	0	53	100	0	90	100	70
9	<i>Burkholderia cepacia</i>	19	7	0	40	-	-	-	100	40
10	<i>Sphingomonas paucimobilis</i>	19	30	-	27	100	67	-	-	65
11	<i>Morganella morganii</i>	18	50	-	62	-	-	86	-	85
12	<i>Citrobacter freundii</i>	13	12	0	38	-	-	88	50	50
13	<i>Serratia fonticola</i>	11	20	-	57	-	0	33	100	27
14	<i>Aeromonas hydrophila</i>	10	67	50	50	100	0	-	67	50
15	<i>Klebsiella oxytoca</i>	10	83	50	67	-	-	83	100	78

No	Organism	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	639	90	40	97	79	43	100	35
2	<i>Klebsiella pneumoniae</i>	387	66	42	87	59	52	80	50
3	<i>Pseudomonas aeruginosa</i>	236	68	59	73	54	5	2	2
4	<i>Acinetobacter baumannii</i>	185	25	4	34	10	6	68	46
5	<i>Proteus mirabilis</i>	128	44	75	84	76	4	0	27
6	<i>Enterobacter cloacae</i>	60	75	100	70	55	50	79	55
7	<i>Providencia stuartii</i>	26	75	50	88	68	0	12	56
8	<i>Klebsiella aerogenes</i>	24	75	50	91	75	0	94	47
9	<i>Burkholderia cepacia</i>	19	67	0	81	10	50	18	47
10	<i>Sphingomonas paucimobilis</i>	19	100	80	83	64	100	89	44
11	<i>Morganella morganii</i>	18	-	0	100	100	0	6	69
12	<i>Citrobacter freundii</i>	13	50	100	80	50	50	100	54
13	<i>Serratia fonticola</i>	11	50	60	46	80	0	80	29
14	<i>Aeromonas hydrophila</i>	10	60	33	88	57	0	80	50
15	<i>Klebsiella oxytoca</i>	10	50	100	78	90	67	83	57

## E. SPESIMEN CAIRAN TUBUH

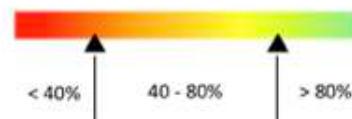
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	26	91	56	0	46	50	56	44	46
2	<i>Escherichia coli</i>	23	85	60	20	27	43	67	50	50
3	<i>Acinetobacter baumannii</i>	11	82	0	0	90	0	80	0	83

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	26	41	50	70	100	50	78	0	65
2	<i>Escherichia coli</i>	23	46	0	54	-	-	94	100	86
3	<i>Acinetobacter baumannii</i>	11	30	-	78	-	0	-	-	70

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	26	60	83	77	56	100	75	62
2	<i>Escherichia coli</i>	23	50	80	95	82	33	100	39
3	<i>Acinetobacter baumannii</i>	11	0	0	80	75	-	89	90

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## F. SPESIMEN FESES

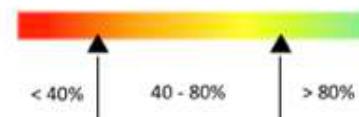
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Salmonella sp.</i>	57	0	-	0	0	100	100	100	100
2	<i>Escherichia sp.</i>	55	100	-	8	42	42	42	33	33
3	<i>Escherichia coli</i>	39	85	73	18	47	43	50	50	53
4	<i>Klebsiella pneumoniae</i>	14	85	0	0	14	27	40	27	29

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	ETP %S	FOS %S	GEN %S	IPM %S
1	<i>Salmonella sp.</i>	57	100	-	100	-	100	-	0	-
2	<i>Escherichia sp.</i>	55	33	-	75	-	100	-	58	-
3	<i>Escherichia coli</i>	39	44	59	39	100	85	93	69	100
4	<i>Klebsiella pneumoniae</i>	14	36	40	46	50	78	100	54	100

No	Bakteri	N	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Salmonella sp.</i>	57	-	100	50	-	100	50
2	<i>Escherichia sp.</i>	55	-	100	100	-	100	50
3	<i>Escherichia coli</i>	39	53	100	75	38	100	45
4	<i>Klebsiella pneumoniae</i>	14	25	79	50	25	100	29

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



### III. RUANG RAWAT INAP INTENSIF

#### A. SPESIMEN DARAH

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	183	67	18	0	20	16	24	14	17
2	<i>Acinetobacter baumannii</i>	102	47	21	0	34	5	21	6	8
3	<i>Escherichia coli</i>	96	74	36	6	33	26	37	33	31
4	<i>Pseudomonas aeruginosa</i>	34	60	27	0	16	33	44	0	54
5	<i>Serratia marcescens</i>	32	100	0	0	12	46	64	67	64
6	<i>Enterobacter cloacae</i>	26	63	0	0	15	27	44	0	29
7	<i>Burkholderia cepacia</i>	24	6	56	0	27	0	43	22	69
8	<i>Sphingomonas paucimobilis</i>	22	67	-	0	20	33	56	-	67
9	<i>Enterobacter sp.</i>	19	100	80	0	50	14	0	-	-
10	<i>Chryseomonas luteola</i>	12	36	80	100	46	0	38	11	82
11	<i>Klebsiella oxytoca</i>	12	100	-	0	75	91	83	-	90

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	183	17	56	37	100	40	67	69	29
2	<i>Acinetobacter baumannii</i>	102	6	17	27	100	33	16	0	27
3	<i>Escherichia coli</i>	96	24	64	38	100	0	84	100	60
4	<i>Pseudomonas aeruginosa</i>	34	0	46	44	0	0	12	0	47
5	<i>Serratia marcescens</i>	32	42	43	89	-	-	92	100	56
6	<i>Enterobacter cloacae</i>	26	6	29	53	-	-	68	67	42
7	<i>Burkholderia cepacia</i>	24	23	33	27	-	0	-	14	12
8	<i>Sphingomonas paucimobilis</i>	22	50	-	75	-	-	-	-	100
9	<i>Enterobacter sp.</i>	19	40	100	-	-	-	100	-	67
10	<i>Chryseomonas luteola</i>	12	44	78	33	-	-	-	50	42
11	<i>Klebsiella oxytoca</i>	12	82	-	82	-	-	100	-	83

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	183	62	60	68	45	40	83	45
2	<i>Acinetobacter baumannii</i>	102	46	20	34	26	20	56	58
3	<i>Escherichia coli</i>	96	92	39	82	71	13	80	35
4	<i>Pseudomonas aeruginosa</i>	34	86	17	43	50	0	0	22
5	<i>Serratia marcescens</i>	32	69	100	93	65	0	100	57
6	<i>Enterobacter cloacae</i>	26	50	50	74	67	0	76	38
7	<i>Burkholderia cepacia</i>	24	33	100	71	14	17	14	74
8	<i>Sphingomonas paucimobilis</i>	22	-	0	88	24	-	94	93
9	<i>Enterobacter sp.</i>	19	-	-	100	100	40	90	62
10	<i>Chryseomonas luteola</i>	12	62	91	91	50	25	50	91
11	<i>Klebsiella oxytoca</i>	12	-	0	92	75	-	100	83

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## B. SPESIMEN URINE

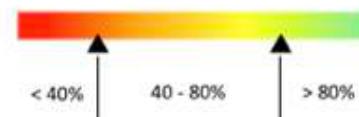
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	81	83	47	4	20	21	39	22	27
2	<i>Klebsiella pneumoniae</i>	42	53	43	0	12	18	27	21	19
3	<i>Acinetobacter baumannii</i>	25	35	33	0	17	0	14	33	12
4	<i>Pseudomonas aeruginosa</i>	15	33	67	0	0	10	31	0	15

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	81	25	50	28	90	0	87	80	71
2	<i>Klebsiella pneumoniae</i>	42	18	62	32	33	-	61	57	48
3	<i>Acinetobacter baumannii</i>	25	0	0	10	0	-	-	50	9
4	<i>Pseudomonas aeruginosa</i>	15	0	-	21	0	-	0	-	40

No	Bakteri	N	IPM %S	LVX %S	MEM %S	NIT %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	81	78	35	88	74	68	29	95	32
2	<i>Klebsiella pneumoniae</i>	42	43	36	57	17	36	50	54	36
3	<i>Acinetobacter baumannii</i>	25	50	0	23	0	19	0	40	29
4	<i>Pseudomonas aeruginosa</i>	15	100	33	33	0	46	0	0	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBiotIK



### C. SPESIMEN SPUTUM

No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	602	75	34	0	21	20	33	16	22
2	<i>Acinetobacter baumannii</i>	600	40	22	0	14	2	12	11	10
3	<i>Pseudomonas aeruginosa</i>	370	57	15	0	1	25	48	7	49
4	<i>Escherichia coli</i>	117	89	38	0	22	20	34	9	22
5	<i>Enterobacter cloacae</i>	78	89	33	0	9	31	47	22	32
6	<i>Stenotrophomonas maltophilia</i>	63	0	0	0	0	50	0	0	0
7	<i>Acinetobacter sp.</i>	40	10	0	-	31	0	33	0	5
8	<i>Burkholderia cepacia</i>	38	30	20	0	6	17	33	17	39
9	<i>Klebsiella aerogenes</i>	28	86	21	0	21	20	19	23	17
10	<i>Serratia marcescens</i>	18	100	20	0	12	50	43	47	47
11	<i>Chryseomonas luteola</i>	15	73	18	0	42	25	18	18	53
12	<i>Proteus mirabilis</i>	15	92	40	17	12	20	56	22	58
13	<i>Achromobacter xylosoxidans</i>	12	0	100	0	40	0	10	0	82
14	<i>Sphingomonas paucimobilis</i>	12	50	100	25	50	71	62	67	43
15	<i>Raoultella terrigena</i>	11	9	18	-	22	-	0	18	18

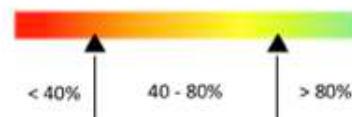
No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	602	18	43	34	67	21	62	75	44
2	<i>Acinetobacter baumannii</i>	600	2	4	12	24	35	33	19	14
3	<i>Pseudomonas aeruginosa</i>	370	9	4	43	55	0	0	29	44
4	<i>Escherichia coli</i>	117	13	64	25	100	57	86	88	61
5	<i>Enterobacter cloacae</i>	78	26	40	67	100	50	74	88	46
6	<i>Stenotrophomonas maltophilia</i>	63	0	-	0	-	-	0	-	0
7	<i>Acinetobacter sp.</i>	40	6	-	25	11	-	-	0	5
8	<i>Burkholderia cepacia</i>	38	12	-	14	0	0	100	0	22
9	<i>Klebsiella aerogenes</i>	28	24	75	38	100	50	80	100	35
10	<i>Serratia marcescens</i>	18	46	50	64	-	-	58	50	56
11	<i>Chryseomonas luteola</i>	15	9	40	42	0	-	-	62	67
12	<i>Proteus mirabilis</i>	15	20	100	56	-	0	71	100	54
13	<i>Achromobacter xylosoxidans</i>	12	0	0	11	-	100	-	0	0
14	<i>Sphingomonas paucimobilis</i>	12	100	-	60	-	100	100	-	54

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
15	<i>Raoultella terrigena</i>	11	12	30	30	-	-	-	36	36

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	602	60	43	66	43	40	62	40
2	<i>Acinetobacter baumannii</i>	600	21	20	14	13	22	46	33
3	<i>Pseudomonas aeruginosa</i>	370	65	50	44	36	8	1	3
4	<i>Escherichia coli</i>	117	81	33	88	55	38	89	28
5	<i>Enterobacter cloacae</i>	78	50	76	84	50	60	81	54
6	<i>Stenotrophomonas maltophilia</i>	63	0	56	0	0	50	50	70
7	<i>Acinetobacter sp.</i>	40	-	12	15	25	3	100	42
8	<i>Burkholderia cepacia</i>	38	0	57	42	28	0	19	40
9	<i>Klebsiella aerogenes</i>	28	73	33	76	33	62	60	47
10	<i>Serratia marcescens</i>	18	100	50	56	46	0	71	76
11	<i>Chryseomonas luteola</i>	15	18	46	36	60	56	38	58
12	<i>Proteus mirabilis</i>	15	25	43	69	46	0	0	50
13	<i>Achromobacter xylosoxidans</i>	12	50	14	90	60	0	25	60
14	<i>Sphingomonas paucimobilis</i>	12	100	80	46	75	0	67	50
15	<i>Raoultella terrigena</i>	11	50	46	46	25	12	12	20

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



#### D. SPESIMEN PUS

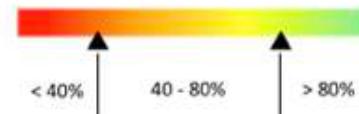
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	81	93	43	20	31	61	65	57	57
2	<i>Klebsiella pneumoniae</i>	59	60	65	2	17	24	33	34	26
3	<i>Pseudomonas aeruginosa</i>	36	72	6	0	8	20	66	5	64
4	<i>Acinetobacter baumannii</i>	26	38	0	0	12	0	0	0	0

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	81	52	56	47	100	0	93	75	64
2	<i>Klebsiella pneumoniae</i>	59	18	43	22	-	0	66	83	33
3	<i>Pseudomonas aeruginosa</i>	36	0	0	61	-	-	0	54	48
4	<i>Acinetobacter baumannii</i>	26	0	0	4	0	0	-	0	15

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	81	79	43	91	74	33	92	33
2	<i>Klebsiella pneumoniae</i>	59	57	42	59	33	50	77	33
3	<i>Pseudomonas aeruginosa</i>	36	58	59	61	53	0	6	12
4	<i>Acinetobacter baumannii</i>	26	0	0	15	6	0	60	21

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK





**DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI  
GRAM POSITIF DARI BERBAGAI SPESIMEN  
BERDASARKAN KATEGORI RUANG PERAWATAN DI  
RUMAH SAKIT TIPE B**



**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



## BAB VI

### DATA UJI KEPEKAAN ANTIBIOTIK PADA BAKTERI GRAM POSITIF DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DI RUMAH SAKIT TIPE B TAHUN 2018

#### I. RUANG RAWAT JALAN

##### A. SPESIMEN URINE

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus haemolyticus</i>	71	37	14	29	35	-	45	32	28
2	<i>Enterococcus faecalis</i>	35	90	-	-	-	-	55	0	-
3	<i>Staphylococcus aureus</i>	15	33	20	20	50	50	91	56	50
4	<i>Staphylococcus epidermidis</i>	13	23	9	9	11	67	50	25	67
5	<i>Staphylococcus saprophyticus</i>	10	43	0	43	50	33	57	0	67
6	<i>Streptococcus agalactiae</i>	10	86	0	100	83	-	83	44	-

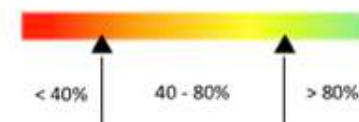
No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus haemolyticus</i>	71	100	20	55	-	79	28	41
2	<i>Enterococcus faecalis</i>	35	100	0	14	-	75	88	55
3	<i>Staphylococcus aureus</i>	15	100	50	85	-	82	50	100
4	<i>Staphylococcus epidermidis</i>	13	100	50	27	71	100	17	46
5	<i>Staphylococcus saprophyticus</i>	10	100	50	22	100	100	44	78
6	<i>Streptococcus agalactiae</i>	10	-	100	56	-	0	100	100

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	NIT %S	OXA %S	TZP %S
1	<i>Staphylococcus haemolyticus</i>	71	98	28	100	31	100	25	24
2	<i>Enterococcus faecalis</i>	35	93	-	100	33	100	100	88
3	<i>Staphylococcus aureus</i>	15	100	56	100	90	100	56	56
4	<i>Staphylococcus epidermidis</i>	13	67	27	100	100	100	22	50
5	<i>Staphylococcus saprophyticus</i>	10	100	44	100	100	100	50	75
6	<i>Streptococcus agalactiae</i>	10	100	100	-	100	100	-	-

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus haemolyticus</i>	71	98	94	44	20	100	71	93
2	<i>Enterococcus faecalis</i>	35	0	-	27	-	100	33	100
3	<i>Staphylococcus aureus</i>	15	91	100	71	50	100	83	91
4	<i>Staphylococcus epidermidis</i>	13	100	100	43	50	100	75	89
5	<i>Staphylococcus saprophyticus</i>	10	100	100	67	75	100	62	100
6	<i>Streptococcus agalactiae</i>	10	100	-	0	-	100	100	50

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## B. SPESIMEN SPUTUM

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	39	88	13	88	80	60	77	84	58
2	<i>Staphylococcus haemolyticus</i>	20	0	0	0	0	0	33	0	0

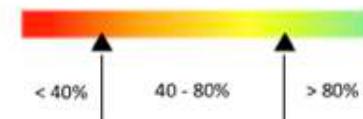
No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus aureus</i>	39	100	59	85	100	88	61	87
2	<i>Staphylococcus haemolyticus</i>	20	100	0	30	-	35	0	5

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S
1	<i>Staphylococcus aureus</i>	39	94	62	100	90	58	59
2	<i>Staphylococcus haemolyticus</i>	20	100	0	100	0	0	0

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	39	100	83	47	59	100	97	94
2	<i>Staphylococcus haemolyticus</i>	20	90	22	25	0	100	35	83

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



### C. SPESIMEN PUS

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	199	65	18	66	63	78	62	88	61
2	<i>Staphylococcus haemolyticus</i>	31	17	8	13	14	-	25	58	10
3	<i>Staphylococcus epidermidis</i>	29	54	50	47	55	46	53	25	57
4	<i>Staphylococcus, coagulase negative</i>	11	-	-	-	-	-	0	0	-
5	<i>Streptococcus pyogenes</i>	11	100	-	-	86	75	-	80	-

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus aureus</i>	199	100	49	83	50	66	61	60
2	<i>Staphylococcus haemolyticus</i>	31	100	12	26	-	35	10	23
3	<i>Staphylococcus epidermidis</i>	29	100	50	29	50	60	53	48
4	<i>Staphylococcus, coagulase negative</i>	11	-	-	0	-	100	-	0
5	<i>Streptococcus pyogenes</i>	11	100	100	80	-	-	100	89

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S
1	<i>Staphylococcus aureus</i>	199	99	60	97	54	56	58
2	<i>Staphylococcus haemolyticus</i>	31	91	9	100	25	9	10
3	<i>Staphylococcus epidermidis</i>	29	86	54	100	71	40	50
4	<i>Staphylococcus, coagulase negative</i>	11	-	-	-	0	-	-
5	<i>Streptococcus pyogenes</i>	11	100	100	100	-	-	-

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	199	98	97	45	59	99	84	85
2	<i>Staphylococcus haemolyticus</i>	31	92	50	48	10	100	52	76
3	<i>Staphylococcus epidermidis</i>	29	100	88	74	43	100	74	100
4	<i>Staphylococcus, coagulase negative</i>	11	0	-	100	-	-	100	0
5	<i>Streptococcus pyogenes</i>	11	-	-	40	-	-	100	86

## II. RUANG RAWAT INAP NON INTENSIF

### A. SPESIMEN DARAH

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus haemolyticus</i>	188	5	0	2	7	54	22	33	4
2	<i>Staphylococcus hominis</i>	147	28	5	30	24	33	63	53	21
3	<i>Staphylococcus epidermidis</i>	128	22	9	21	22	50	49	46	21
4	<i>Staphylococcus aureus</i>	101	62	54	70	67	79	70	88	70
5	<i>Staphylococcus, coagulase negative</i>	40	0	20	0	0	64	19	60	0
6	<i>Enterococcus faecalis</i>	26	83	0	0	0	-	65	0	-
7	<i>Staphylococcus saprophyticus</i>	14	18	0	17	12	57	36	33	33
8	<i>Streptococcus agalactiae</i>	13	100	-	-	100	-	100	67	-
9	<i>Staphylococcus capitis</i>	12	25	0	50	25	-	50	25	25

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus haemolyticus</i>	188	100	7	22	-	35	4	26
2	<i>Staphylococcus hominis</i>	147	100	22	35	-	93	21	57
3	<i>Staphylococcus epidermidis</i>	128	100	16	29	80	61	19	50
4	<i>Staphylococcus aureus</i>	101	100	64	75	86	80	70	75
5	<i>Staphylococcus, coagulase negative</i>	40	100	0	38	0	100	100	100
6	<i>Enterococcus faecalis</i>	26	100	0	10	-	0	67	74
7	<i>Staphylococcus saprophyticus</i>	14	100	25	11	40	100	12	36
8	<i>Streptococcus agalactiae</i>	13	-	-	82	-	-	100	100
9	<i>Staphylococcus capitis</i>	12	100	50	29	-	44	25	30

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S
1	<i>Staphylococcus haemolyticus</i>	188	97	4	100	57	8	4
2	<i>Staphylococcus hominis</i>	147	97	20	100	61	22	22
3	<i>Staphylococcus epidermidis</i>	128	97	20	100	62	23	21
4	<i>Staphylococcus aureus</i>	101	99	65	100	75	64	69
5	<i>Staphylococcus, coagulase negative</i>	40	100	100	-	100	100	0
6	<i>Enterococcus faecalis</i>	26	95	100	100	71	-	67
7	<i>Staphylococcus saprophyticus</i>	14	100	10	100	100	12	50
8	<i>Streptococcus agalactiae</i>	13	100	100	-	100	-	-
9	<i>Staphylococcus capititis</i>	12	90	14	100	50	17	0

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus haemolyticus</i>	188	96	36	48	4	76	45	87
2	<i>Staphylococcus hominis</i>	147	97	80	48	22	96	46	92
3	<i>Staphylococcus epidermidis</i>	128	100	77	68	23	98	47	91
4	<i>Staphylococcus aureus</i>	101	100	87	56	70	96	74	91
5	<i>Staphylococcus, coagulase negative</i>	40	100	50	20	0	100	60	94
6	<i>Enterococcus faecalis</i>	26	0	-	53	-	93	0	100
7	<i>Staphylococcus saprophyticus</i>	14	100	100	56	50	100	50	100
8	<i>Streptococcus agalactiae</i>	13	100	-	10	-	100	-	100
9	<i>Staphylococcus capititis</i>	12	89	67	71	0	100	62	88

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## B. SPESIMEN URINE

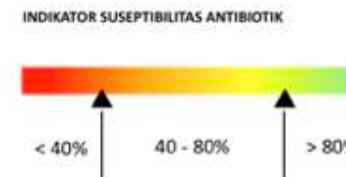
No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Enterococcus faecalis</i>	142	92	0	-	-	-	60	0	100
2	<i>Staphylococcus haemolyticus</i>	112	15	4	16	15	33	36	29	14
3	<i>Staphylococcus epidermidis</i>	36	45	24	41	46	40	46	56	62
4	<i>Staphylococcus aureus</i>	31	88	33	81	81	-	85	77	76
5	<i>Streptococcus agalactiae</i>	21	100	-	-	100	-	94	68	-
6	<i>Enterococcus faecium</i>	20	6	-	-	-	-	17	0	-
7	<i>Staphylococcus saprophyticus</i>	18	6	0	6	8	54	13	50	33
8	<i>Staphylococcus, coagulase negative</i>	15	0	-	0	0	-	67	0	0

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Enterococcus faecalis</i>	142	100	0	18	-	29	95	60
2	<i>Staphylococcus haemolyticus</i>	112	100	3	35	-	62	14	34
3	<i>Staphylococcus epidermidis</i>	36	100	20	31	75	73	44	39
4	<i>Staphylococcus aureus</i>	31	100	50	83	-	82	79	93
5	<i>Streptococcus agalactiae</i>	21	-	100	69	-	-	100	88
6	<i>Enterococcus faecium</i>	20	-	0	0	-	0	-	17
7	<i>Staphylococcus saprophyticus</i>	18	100	0	7	70	100	8	22
8	<i>Staphylococcus, coagulase negative</i>	15	100	0	0	-	-	-	-

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	NIT %S	OXA %S	TZP %S
1	<i>Enterococcus faecalis</i>	142	93	-	100	40	98	-	95
2	<i>Staphylococcus haemolyticus</i>	112	100	11	100	38	100	11	14
3	<i>Staphylococcus epidermidis</i>	36	100	36	100	80	82	38	50
4	<i>Staphylococcus aureus</i>	31	100	78	100	92	100	79	79
5	<i>Streptococcus agalactiae</i>	21	100	100	-	100	93	-	100
6	<i>Enterococcus faecium</i>	20	78	-	-	17	21	-	7
7	<i>Staphylococcus saprophyticus</i>	18	100	6	100	50	75	9	33
8	<i>Staphylococcus, coagulase negative</i>	15	-	-	-	-	-	-	0

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Enterococcus faecalis</i>	142	1	-	27	-	100	9	94
2	<i>Staphylococcus haemolyticus</i>	112	96	87	60	15	95	71	87
3	<i>Staphylococcus epidermidis</i>	36	100	100	68	54	94	55	81
4	<i>Staphylococcus aureus</i>	31	100	95	58	79	100	97	85
5	<i>Streptococcus agalactiae</i>	21	100	-	12	-	100	100	100
6	<i>Enterococcus faecium</i>	20	58	-	21	-	100	0	80
7	<i>Staphylococcus saprophyticus</i>	18	100	100	25	33	100	69	90
8	<i>Staphylococcus, coagulase negative</i>	15	33	33	33	0	100	33	33

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik



### C. SPESIMEN SPUTUM

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	138	80	64	80	76	80	83	76	82
2	<i>Staphylococcus haemolyticus</i>	115	11	0	16	8	80	9	25	8
3	<i>Streptococcus mitis</i>	82	50	100	0	94	-	-	62	-
4	<i>Staphylococcus epidermidis</i>	66	14	12	13	12	21	24	53	4
5	<i>Streptococcus salivarius</i>	26	-	-	-	96	-	-	58	-
6	<i>Streptococcus pyogenes</i>	25	-	-	-	81	62	-	75	100
7	<i>Streptococcus viridans, alpha-hem.</i>	24	88	25	61	36	-	57	59	-
8	<i>Streptococcus pneumoniae</i>	21	100	-	-	67	100	50	87	-
9	<i>Enterococcus faecalis</i>	19	100	0	-	-	100	73	0	-
10	<i>Streptococcus, non-haemolytic (gamma)</i>	19	84	39	56	44	-	21	84	-
11	<i>Staphylococcus, coagulase negative</i>	17	100	-	-	-	50	0	-	-
12	<i>Streptococcus sanguinis</i>	17	-	-	-	100	-	-	43	-
13	<i>Kocuria kristinae</i>	15	-	-	-	-	-	-	-	-
14	<i>Streptococcus parasanguinis</i>	15	-	-	-	69	0	-	50	-
15	<i>Streptococcus alactolyticus</i>	11	-	-	-	100	-	-	67	-
16	<i>Staphylococcus hominis</i>	10	0	0	0	0	-	75	0	0

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus aureus</i>	138	100	57	79	100	87	81	78
2	<i>Staphylococcus haemolyticus</i>	115	100	2	17	-	23	3	7
3	<i>Streptococcus mitis</i>	82	100	0	52	-	-	-	78
4	<i>Staphylococcus epidermidis</i>	66	100	0	33	77	71	15	21
5	<i>Streptococcus salivarius</i>	26	100	-	50	-	-	-	100
6	<i>Streptococcus pyogenes</i>	25	-	-	61	-	-	-	67
7	<i>Streptococcus viridans, alpha-hem.</i>	24	-	50	0	-	-	96	-
8	<i>Streptococcus pneumoniae</i>	21	100	100	80	-	50	100	93
9	<i>Enterococcus faecalis</i>	19	100	-	35	-	50	100	81
10	<i>Streptococcus, non-haemolytic (gamma)</i>	19	-	-	31	-	-	95	-
11	<i>Staphylococcus, coagulase negative</i>	17	-	-	0	50	50	-	0
12	<i>Streptococcus sanguinis</i>	17	100	-	40	-	-	-	71
13	<i>Kocuria kristinae</i>	15	-	-	-	-	-	-	-

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
14	<i>Streptococcus parasanguinis</i>	15	100	-	38	-	100	-	58
15	<i>Streptococcus alactolyticus</i>	11	100	-	64	-	-	-	100
16	<i>Staphylococcus hominis</i>	10	100	0	43	-	71	0	71

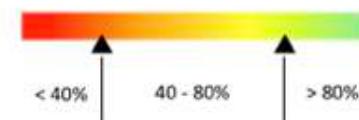
No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S
1	<i>Staphylococcus aureus</i>	138	97	80	100	77	79	77
2	<i>Staphylococcus haemolyticus</i>	115	93	4	100	26	2	4
3	<i>Streptococcus mitis</i>	82	100	0	100	-	-	-
4	<i>Staphylococcus epidermidis</i>	66	94	14	100	20	9	4
5	<i>Streptococcus salivarius</i>	26	100	-	100	-	-	-
6	<i>Streptococcus pyogenes</i>	25	100	-	-	-	-	-
7	<i>Streptococcus viridans, alpha-hem.</i>	24	-	94	-	-	71	-
8	<i>Streptococcus pneumoniae</i>	21	100	100	100	100	-	-
9	<i>Enterococcus faecalis</i>	19	94	-	100	67	-	100
10	<i>Streptococcus, non-haemolytic (gamma)</i>	19	-	94	-	-	59	-
11	<i>Staphylococcus, coagulase negative</i>	17	-	0	-	-	-	-
12	<i>Streptococcus sanguinis</i>	17	100	-	100	-	-	-
13	<i>Kocuria kristinae</i>	15	-	-	-	-	-	-
14	<i>Streptococcus parasanguinis</i>	15	100	-	100	-	-	-
15	<i>Streptococcus alactolyticus</i>	11	100	-	100	-	-	-
16	<i>Staphylococcus hominis</i>	10	100	0	100	67	33	0

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	138	97	100	54	81	96	88	90
2	<i>Staphylococcus haemolyticus</i>	115	90	45	59	4	98	50	87
3	<i>Streptococcus mitis</i>	82	-	-	46	-	-	0	100
4	<i>Staphylococcus epidermidis</i>	66	96	75	54	0	89	47	94
5	<i>Streptococcus salivarius</i>	26	-	-	77	-	-	-	100
6	<i>Streptococcus pyogenes</i>	25	-	-	38	-	100	-	87
7	<i>Streptococcus viridans, alpha-hem.</i>	24	-	-	-	-	-	54	100
8	<i>Streptococcus pneumoniae</i>	21	-	-	38	-	100	57	100
9	<i>Enterococcus faecalis</i>	19	0	100	56	-	100	0	89
10	<i>Streptococcus, non-haemolytic (gamma)</i>	19	-	-	-	-	-	53	100
11	<i>Staphylococcus, coagulase negative</i>	17	-	-	50	-	-	-	100
12	<i>Streptococcus sanguinis</i>	17	-	-	73	-	-	-	-
13	<i>Kocuria kristinae</i>	15	-	-	-	-	-	-	-
14	<i>Streptococcus parasanguinis</i>	15	-	-	36	-	-	0	100
15	<i>Streptococcus alactolyticus</i>	11	-	-	100	-	-	-	-
16	<i>Staphylococcus hominis</i>	10	100	25	38	0	100	75	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



#### D. SPESIMEN PUS

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	515	72	38	73	70	79	74	86	69
2	<i>Staphylococcus haemolyticus</i>	70	9	0	7	6	0	18	22	2
3	<i>Staphylococcus epidermidis</i>	59	20	17	18	21	67	53	49	23
4	<i>Enterococcus faecalis</i>	37	91	-	-	-	-	66	0	100
5	<i>Kocuria kristinae</i>	27	50	-	-	-	100	100	-	-
6	<i>Streptococcus agalactiae</i>	23	100	-	100	100	-	67	59	-
7	<i>Staphylococcus, coagulase negative</i>	19	0	-	0	0	-	0	0	0
8	<i>Streptococcus anginosus</i>	13	80	80	0	100	-	-	100	-
9	<i>Streptococcus pyogenes</i>	13	100	-	-	90	67	-	89	-
10	<i>Staphylococcus hominis</i>	12	100	-	100	100	100	100	64	100
11	<i>Staphylococcus sciuri</i>	11	-	0	-	-	100	88	62	-

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus aureus</i>	515	100	68	83	93	82	69	72
2	<i>Staphylococcus haemolyticus</i>	70	100	0	20	-	28	2	15
3	<i>Staphylococcus epidermidis</i>	59	100	33	32	100	68	19	55
4	<i>Enterococcus faecalis</i>	37	100	0	3	-	80	82	64
5	<i>Kocuria kristinae</i>	27	-	-	100	-	-	-	100
6	<i>Streptococcus agalactiae</i>	23	100	86	68	-	0	100	84
7	<i>Staphylococcus, coagulase negative</i>	19	-	0	0	-	0	-	50
8	<i>Streptococcus anginosus</i>	13	-	100	100	-	-	-	100
9	<i>Streptococcus pyogenes</i>	13	100	100	90	-	-	100	89
10	<i>Staphylococcus hominis</i>	12	100	100	54	-	100	100	100
11	<i>Staphylococcus sciuri</i>	11	-	-	46	-	80	-	40

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S
1	<i>Staphylococcus aureus</i>	515	98	66	100	78	68	68
2	<i>Staphylococcus haemolyticus</i>	70	97	4	100	18	4	2
3	<i>Staphylococcus epidermidis</i>	59	98	20	100	74	20	19
4	<i>Enterococcus faecalis</i>	37	91	-	100	58	-	90
5	<i>Kocuria kristinae</i>	27	-	100	-	-	-	100
6	<i>Streptococcus agalactiae</i>	23	100	100	100	100	-	-
7	<i>Staphylococcus, coagulase negative</i>	19	-	-	-	-	0	0
8	<i>Streptococcus anginosus</i>	13	100	-	-	-	-	-
9	<i>Streptococcus pyogenes</i>	13	100	100	100	-	-	-
10	<i>Staphylococcus hominis</i>	12	100	100	100	100	80	100
11	<i>Staphylococcus sciuri</i>	11	86	-	100	60	17	-

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	515	98	98	58	68	99	88	90
2	<i>Staphylococcus haemolyticus</i>	70	94	48	54	2	100	49	94
3	<i>Staphylococcus epidermidis</i>	59	98	71	72	20	97	57	92
4	<i>Enterococcus faecalis</i>	37	3	-	29	-	100	-	100
5	<i>Kocuria kristinae</i>	27	-	-	100	-	-	50	100
6	<i>Streptococcus agalactiae</i>	23	100	-	19	-	100	100	100
7	<i>Staphylococcus, coagulase negative</i>	19	0	0	67	0	100	67	67
8	<i>Streptococcus anginosus</i>	13	-	-	0	-	-	100	-
9	<i>Streptococcus pyogenes</i>	13	-	-	40	-	-	100	75
10	<i>Staphylococcus hominis</i>	12	89	100	91	100	100	91	91
11	<i>Staphylococcus sciuri</i>	11	40	71	56	-	100	70	54

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## E. SPESIMEN SWAB

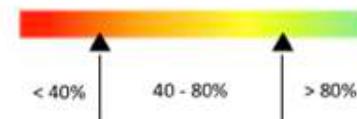
No	Bakteri	N	AMC %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S	ERY %S
1	<i>Staphylococcus aureus</i>	47	70	100	100	76	70	90	100	90
2	<i>Staphylococcus haemolyticus</i>	26	0	0	0	80	0	29	0	14
3	<i>Staphylococcus epidermidis</i>	20	0	0	0	50	88	50	0	57

No	Bakteri	N	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S	OXA %S
1	<i>Staphylococcus aureus</i>	47	77	100	77	100	86	100	74
2	<i>Staphylococcus haemolyticus</i>	26	20	0	0	100	0	100	0
3	<i>Staphylococcus epidermidis</i>	20	88	0	88	100	17	100	12

No	Bakteri	N	TZP %S	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	47	100	100	100	64	100	100	94	100
2	<i>Staphylococcus haemolyticus</i>	26	0	100	50	86	0	100	43	100
3	<i>Staphylococcus epidermidis</i>	20	0	100	80	100	0	100	71	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



### III. RUANG RAWAT INAP INTENSIF

#### A. SPESIMEN DARAH

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus haemolyticus</i>	186	4	0	6	8	34	20	24	2
2	<i>Staphylococcus hominis</i>	137	18	3	16	17	20	49	32	16
3	<i>Staphylococcus epidermidis</i>	116	16	6	12	13	61	32	25	12
4	<i>Staphylococcus, coagulase negative</i>	57	0	16	0	0	64	16	40	0
5	<i>Staphylococcus aureus</i>	48	81	42	73	72	62	67	65	61
6	<i>Staphylococcus capitis</i>	28	19	7	43	18	-	17	60	13
7	<i>Staphylococcus saprophyticus</i>	25	19	0	0	8	47	10	0	50
8	<i>Staphylococcus cohnii ss. urealyticum</i>	24	-	-	-	-	-	25	0	100
9	<i>Enterococcus faecium</i>	18	15	-	-	-	-	21	0	-
10	<i>Enterococcus faecalis</i>	17	53	-	-	-	-	50	0	100
11	<i>Staphylococcus lugdunensis</i>	10	0	0	0	0	0	80	33	0
12	<i>Staphylococcus warneri</i>	10	0	12	0	17	-	86	57	12

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S
1	<i>Staphylococcus haemolyticus</i>	186	100	6	14	-	25	1	21	93
2	<i>Staphylococcus hominis</i>	137	100	20	28	-	86	16	47	91
3	<i>Staphylococcus epidermidis</i>	116	100	11	19	75	48	13	41	98
4	<i>Staphylococcus, coagulase negative</i>	57	100	0	22	-	100	0	0	100
5	<i>Staphylococcus aureus</i>	48	100	53	75	100	86	64	78	88
6	<i>Staphylococcus capitis</i>	28	100	19	19	-	21	13	14	96
7	<i>Staphylococcus saprophyticus</i>	25	100	0	5	57	54	0	25	100
8	<i>Staphylococcus cohnii ss. urealyticum</i>	24	100	100	4	-	91	100	13	100
9	<i>Enterococcus faecium</i>	18	100	0	7	-	50	-	27	93
10	<i>Enterococcus faecalis</i>	17	100	-	29	-	-	100	50	100
11	<i>Staphylococcus lugdunensis</i>	10	100	0	56	-	67	0	75	100
12	<i>Staphylococcus warneri</i>	10	100	12	33	-	80	12	70	90

No	Bakteri	N	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S	QDA %S
1	<i>Staphylococcus haemolyticus</i>	186	3	100	32	6	3	94
2	<i>Staphylococcus hominis</i>	137	15	100	56	20	19	93
3	<i>Staphylococcus epidermidis</i>	116	12	100	51	13	11	97
4	<i>Staphylococcus, coagulase negative</i>	57	0	100	0	0	0	100
5	<i>Staphylococcus aureus</i>	48	65	100	82	64	50	90
6	<i>Staphylococcus capitis</i>	28	12	100	14	12	19	100
7	<i>Staphylococcus saprophyticus</i>	25	19	100	33	9	0	88
8	<i>Staphylococcus cohnii ss. urealyticum</i>	24	100	100	13	100	100	91
9	<i>Enterococcus faecium</i>	18	-	100	33	-	0	47
10	<i>Enterococcus faecalis</i>	17	-	100	43	-	83	0
11	<i>Staphylococcus lugdunensis</i>	10	0	100	60	29	0	100
12	<i>Staphylococcus warneri</i>	10	22	100	70	30	12	90

No	Bakteri	N	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus haemolyticus</i>	186	45	52	2	83	61	84
2	<i>Staphylococcus hominis</i>	137	70	47	17	93	49	87
3	<i>Staphylococcus epidermidis</i>	116	33	70	12	97	44	97
4	<i>Staphylococcus, coagulase negative</i>	57	100	4	0	100	100	100
5	<i>Staphylococcus aureus</i>	48	90	53	56	86	84	76
6	<i>Staphylococcus capitis</i>	28	67	84	13	100	74	100
7	<i>Staphylococcus saprophyticus</i>	25	33	38	0	100	30	71
8	<i>Staphylococcus cohnii ss. urealyticum</i>	24	15	87	100	100	65	100
9	<i>Enterococcus faecium</i>	18	-	23	-	100	-	90
10	<i>Enterococcus faecalis</i>	17	-	36	-	100	100	100
11	<i>Staphylococcus lugdunensis</i>	10	50	44	0	100	67	86
12	<i>Staphylococcus warneri</i>	10	33	75	12	100	80	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

## B. SPESIMEN SPUTUM

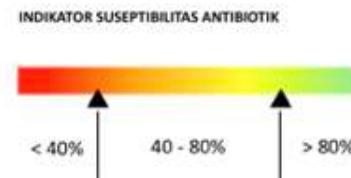
No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	110	72	29	58	58	50	69	76	64
2	<i>Staphylococcus haemolyticus</i>	61	3	0	0	0	0	12	14	0
3	<i>Staphylococcus epidermidis</i>	41	30	0	25	25	54	50	38	23
4	<i>Kocuria kristinae</i>	23	33	0	0	-	-	-	-	-
5	<i>Streptococcus pyogenes</i>	19	-	-	0	71	69	-	67	-
6	<i>Enterococcus faecalis</i>	12	100	0	-	0	-	56	0	-
7	<i>Enterococcus faecium</i>	12	14	-	-	-	-	12	0	-

No	Bakteri	N	DOX %S	ETP %S	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S
1	<i>Staphylococcus aureus</i>	110	100	56	79	75	83	58	73
2	<i>Staphylococcus haemolyticus</i>	61	100	8	11	-	30	0	8
3	<i>Staphylococcus epidermidis</i>	41	100	20	28	83	56	0	39
4	<i>Kocuria kristinae</i>	23	-	67	-	-	-	-	-
5	<i>Streptococcus pyogenes</i>	19	-	-	62	0	0	-	63
6	<i>Enterococcus faecalis</i>	12	100	0	0	-	50	100	67
7	<i>Enterococcus faecium</i>	12	100	0	10	-	0	-	30

No	Bakteri	N	LNZ %S	MEM %S	MNO %S	MFX %S	OXA %S	TZP %S
1	<i>Staphylococcus aureus</i>	110	96	60	100	75	53	61
2	<i>Staphylococcus haemolyticus</i>	61	92	4	100	15	0	0
3	<i>Staphylococcus epidermidis</i>	41	85	20	100	71	20	13
4	<i>Kocuria kristinae</i>	23	-	-	-	-	-	-
5	<i>Streptococcus pyogenes</i>	19	69	0	-	-	-	-
6	<i>Enterococcus faecalis</i>	12	89	0	100	80	100	100
7	<i>Enterococcus faecium</i>	12	80	-	100	11	-	20

No	Bakteri	N	QDA %S	RIF %S	TCY %S	TCC %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	110	100	91	51	62	98	94	96
2	<i>Staphylococcus haemolyticus</i>	61	96	36	67	0	97	36	93
3	<i>Staphylococcus epidermidis</i>	41	96	46	45	0	92	61	88
4	<i>Kocuria kristinae</i>	23	-	-	-	-	-	0	-
5	<i>Streptococcus pyogenes</i>	19	-	-	53	-	-	-	38
6	<i>Enterococcus faecalis</i>	12	0	-	22	-	100	100	100
7	<i>Enterococcus faecium</i>	12	36	-	36	-	100	-	78

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik



### C. SPESIMEN PUS

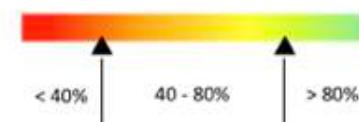
No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	DOR %S
1	<i>Escherichia coli</i>	81	43	75	57	52	56	47	100
2	<i>Klebsiella pneumoniae</i>	59	65	25	26	18	43	22	-
3	<i>Pseudomonas aeruginosa</i>	36	6	-	64	0	0	61	-
4	<i>Acinetobacter baumannii</i>	26	0	0	0	0	0	4	0

No	Bakteri	N	DOX %S	ETP %S	FOS %S	GEN %S	IPM %S	LVX %S	MEM %S
1	<i>Escherichia coli</i>	81	0	93	75	64	79	43	91
2	<i>Klebsiella pneumoniae</i>	59	0	66	83	33	57	42	59
3	<i>Pseudomonas aeruginosa</i>	36	-	0	54	48	58	59	61
4	<i>Acinetobacter baumannii</i>	26	0	-	0	15	0	0	15

No	Bakteri	N	MFX %S	OXA %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	81	50	100	74	33	92	33
2	<i>Klebsiella pneumoniae</i>	59	0	100	33	50	77	33
3	<i>Pseudomonas aeruginosa</i>	36	-	-	53	0	6	12
4	<i>Acinetobacter baumannii</i>	26	-	-	6	0	60	21

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK





**DATA UJI KEPEKAAN ANTIBIOTIK DARI BERBAGAI  
SPESIMEN BERDASARKAN KATEGORI RUANG  
PERAWATAN DAN SIFAT BAKTERI (GRAM POSITIF &  
GRAM NEGATIF) DI RUMAH SAKIT TIPE C**



**SURVEILANS MIKROBA DAN KEPEKAANNYA TERHADAP  
ANTIBIOTIK BERDASARKAN TIPE RUMAH SAKIT  
DI INDONESIA TAHUN 2018**



## BAB VII

### DATA UJI KEPEKAAN ANTIBIOTIK DARI BERBAGAI SPESIMEN BERDASARKAN KATEGORI RUANG PERAWATAN DAN SIFAT BAKTERI (GRAM POSITIF & GRAM NEGATIF) DI RUMAH SAKIT TIPE C TAHUN 2018

#### I. BAKTERI GRAM NEGATIF PADA RUANG RAWAT INAP INTENSIF & NON-INTENSIF

##### A. SPESIMEN DARAH

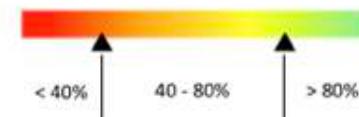
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	CZO %S	FEP %S	CTX %S
1	<i>Escherichia coli</i>	9	100	67	11	-	50	0	50	0

No	Bakteri	N	CAZ %S	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	GEN %S
1	<i>Escherichia coli</i>	9	0	33	-	50	100	33	100	67

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	9	100	0	100	100	100	50

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## B. SPESIMEN SPUTUM

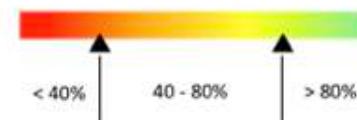
No	Organism	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Klebsiella pneumoniae</i>	31	100	60	0	-	46	46	50	33
2	<i>Pseudomonas aeruginosa</i>	13	62	0	0	-	38	62	14	9
3	<i>Acinetobacter baumannii</i>	12	100	0	0	100	0	0	60	67

No	Organism	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Klebsiella pneumoniae</i>	31	46	-	42	100	50	91	-	64
2	<i>Pseudomonas aeruginosa</i>	13	-	50	58	100	0	-	17	38
3	<i>Acinetobacter baumannii</i>	12	9	-	0	100	80	-	-	33

No	Organism	N	IPM %S	LVX %S	MEM %S	TZP %S	TCY %S	TGC %S	SXT %S
1	<i>Klebsiella pneumoniae</i>	31	100	78	93	62	-	68	38
2	<i>Pseudomonas aeruginosa</i>	13	100	40	46	50	100	0	8
3	<i>Acinetobacter baumannii</i>	12	80	80	46	0	-	33	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



### C. SPESIMEN PUS

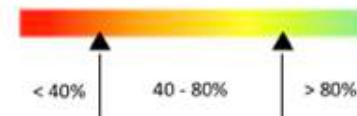
No	Bakteri	N	AMK %S	AMC %S	AMP %S	SAM %S	ATM %S	FEP %S	CTX %S	CAZ %S
1	<i>Escherichia coli</i>	34	100	26	4	100	50	50	16	19
2	<i>Klebsiella pneumoniae</i>	21	90	60	0	25	50	33	35	40

No	Bakteri	N	CRO %S	CHL %S	CIP %S	DOR %S	DOX %S	ETP %S	FOS %S	GEN %S
1	<i>Escherichia coli</i>	34	18	50	0	96	8	100	33	53
2	<i>Klebsiella pneumoniae</i>	21	38	50	67	100	29	100	0	43

No	Bakteri	N	IPM %S	LVX %S	MEM %S	TZP %S	TGC %S	SXT %S
1	<i>Escherichia coli</i>	34	97	25	100	25	100	0
2	<i>Klebsiella pneumoniae</i>	21	100	65	100	57	100	57

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



## II. BAKTERI GRAM POSITIF PADA RUANG RAWAT INAP INTENSIF & NON-INTENSIF

### A. SPESIMEN DARAH

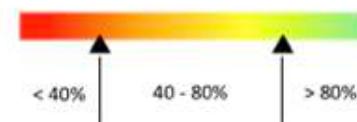
No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus hominis</i>	22	-	0	0	0	-	63	67	0
2	<i>Staphylococcus haemolyticus</i>	9	0	100	-	-	100	14	44	-

No	Bakteri	N	ERY %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S
1	<i>Staphylococcus hominis</i>	22	53	95	0	63	100	0	65
2	<i>Staphylococcus haemolyticus</i>	9	38	25	0	25	100	-	22

No	Bakteri	N	OXA %S	QDA %S	RIF %S	TCY %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus hominis</i>	22	29	94	100	50	100	69	89
2	<i>Staphylococcus haemolyticus</i>	9	12	100	50	75	100	38	100

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; **N**, jumlah isolat; **%S**, persentase kepekaan terhadap golongan antibiotik

INDIKATOR SUSEPTIBILITAS ANTIBIOTIK



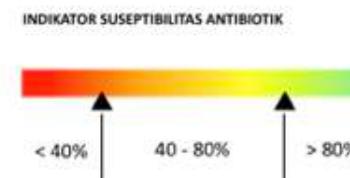
## B. SPESIMEN PUS

No	Bakteri	N	AMC %S	FOX %S	CAZ %S	CRO %S	CHL %S	CIP %S	CLI %S	DOR %S
1	<i>Staphylococcus aureus</i>	23	89	62	64	46	56	78	74	60

No	Bakteri	N	ERY %S	FOS %S	GEN %S	IPM %S	LVX %S	LNZ %S	MEM %S	MFX %S
1	<i>Staphylococcus aureus</i>	23	71	0	62	64	56	100	67	85

No	Bakteri	N	OXA %S	TZP %S	QDA %S	RIF %S	TCY %S	TGC %S	SXT %S	VAN %S
1	<i>Staphylococcus aureus</i>	23	73	100	100	88	25	100	90	94

Keterangan: **AMK**, amikacin; **AMC**, amoxicillin-clavulanic acid; **AMP**, ampicillin; **SAM**, ampicillin-sulbactam; **ATM**, aztreonam; **CZO**, cefazolin; **FEP**, cefepime; **CTX**, cefotaxime; **CAZ**, ceftazidime; **CRO**, ceftriaxone; **CHL**, chloramphenicol; **CIP**, ciprofloxacin; **ETP**, ertapenem; **GEN**, gentamicin; **MEM**, meropenem; **NIT**, nitrofurantoin; **TZP**, piperacillin-tazobactam; **TGC**, tigecycline; **SXT**, trimethoprim-sulphamethoxazol; **AMC**, amoxicillin-clavulanic acid; **AZM**, azitromycin; **CZX**, ceftizoxime; **CXM**, cefuroxime; **CLI**, clindamycin; **ERY**, erythromycin; **DOR**, doripenem; **IPM**, imipenem; **LVX**, levofloxacin; **LNZ**, linezolid; **MFX**, moxifloxacin; **OXA**, oxacillin; **QDA**, quinupristin-dalfopristin; **RIF**, rifampicin; **TCY**, tetracycline; **TCC**, ticarcillin-clavulanic acid; **VAN**, vancomycin; **FOX**, cefoxitin; **MNO**, minocycline (-), Antibiotik tidak diujikan; N, jumlah isolat; %S, persentase kepekaan terhadap golongan antibiotik





## **DAFTAR PUSTAKA**

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