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**KEMENTERIAN RISET, TEKNOLOGI DAN PERGURUAN TINGGI**

**UNIVERSITAS HASANUDDIN**

**FAKULTAS KEDOKTERAN**

**KOMITE ETIK PENELITIAN KESEHATAN**

**Sekretariat : Lantai 2 Gedung Laboratorium Terpadu**

JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10, Makassar. Telp.0411-5044671, Fax (0411) 586297.

Contact person **dr. Agus Salim Buchari, M.Med, PhD, SpGK** (HP. 081241850858)

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## **Lampiran 1**

### **NASKAH PENJELASAN UNTUK MENDAPAT PERSETUJUAN DARI**

#### **KELUARGA/SUBJEK PENELITIAN**

#### **PERAN KIDNEY INJURY MOLECULE TYPE-1(KIM-1) URIN DALAM MEMPREDIKSI TERJADINYA GANGGUAN GINJAL AKUT PADA ANAK YANG MENGALAMI SEPSIS**

Assalamu'alaikum Bapak/Ibu yang terhormat, saya dr. Yusriwanti Kasri dari Departemen Ilmu Kesehatan Anak RS Dr. Wahidin Sudirohusodo bermaksud mengadakan penelitian untuk mengukur kadar *Kidney Injury Molecule Type-1 (KIM-1)* urin dalam memprediksi terjadinya Gangguan Ginjal Akut (GgGA) pada anak sepsis.

Sepsis adalah infeksi di darah yang menyebabkan peradangan dan menjadi penyebab tersering Gangguan Ginjal Akut (GgGA). Anak-anak dengan GgGA dan sepsis berat mempunyai kemungkinan kematian/ kecacatan lebih dari dua kali lipat dibandingkan dengan anak-anak dengan tanpa sepsis.

Salah satu penilaian Gangguan Ginjal Akut yang sering digunakan adalah kreatinin darah. Namun, kreatinin ini bukan merupakan penanda cedera ginjal yang

sensitif karena meningkat hingga 72 jam setelah cedera dan membutuhkan pengambilan sampel darah dan seringkali sulit dilakukan. Munculnya biomarker baru sangat membantu dalam memprediksi lebih dini terjadinya GgGA pada pasien sepsis. Biomarker terbaru yaitu *Kidney injury molecul-1 (KIM-1)* menunjukkan bahwa *KIM-1* meningkat secara signifikan dalam 6 jam pertama. Hasil pemeriksaan ini berguna untuk memprediksi lebih dini terjadinya gangguan ginjal akut pada anak yang mengalami sepsis sehingga dengan penanganan yang tepat bisa mencegah memburuknya kondisi pasien.

Kami akan menanyakan dan mencatat identitas anak ibu/bapak (nama, tanggal lahir, jenis kelamin), menghitung status gizi anak. Selanjutnya akan dilakukan Pemeriksaan *Kidney Injury Molecule Type-1 (KIM-1)* urin. Pemeriksaan ini dilakukan dengan mengambil urin penderita sebanyak 5 ml oleh dokter dan dibantu oleh analis laboratorium dengan menggunakan tabung valcon dan dilakukan pemeriksaan laboratorium. Semua biaya pemeriksaan akan ditanggung oleh peneliti dan penderita tidak akan diberikan kompensasi.

Keikutsertaan anak bapak/ibu dalam penelitian ini bersifat sukarela tanpa paksaan, sehingga bapak/ibu dapat menolak ikut atau berhenti terlibat dalam penelitian ini tanpa takut akan kehilangan hak untuk mendapat pelayanan kesehatan yang dibutuhkan oleh anak bapak/ibu. Untuk mengetahui secara mendetail mengenai penelitian ini atau ada hal-hal yang belum jelas, dapat menghubungi saya dengan nomor telpon 081242988950.

Semua data dari penelitian ini akan dicatat dan dipublikasikan tanpa membuka data pribadi anak ibu/bapak. Data pada penelitian ini akan dikumpulkan dan disimpan dalam file manual maupun elektronik, diaudit dan diproses serta dipresentasikan pada:

- Forum ilmiah Program Pendidikan Dokter Spesialis Terpadu Fakultas Kedokteran Universitas Hasanuddin.
- Publikasi pada jurnal ilmiah dalam maupun luar Negeri

Setelah membaca dan mengerti atas penjelasan yang kami berikan mengenai pentingnya menilai kadar *Kidney Injury Molecule Type-1 (KIM-1)* pada anak sepsis sehingga dapat diberikan penanganan yang lebih cepat dan tepat, maka kami mengharapkan bapak/ibu untuk menandatangani surat persetujuan mengikuti penelitian. Atas kesediaan dan kerja samanya, saya mengucapkan terima kasih.

Identitas peneliti : Nama : dr. Yusriwanti Kasri

Alamat : Komp.Bukit Antang Indah B3/4, Makassar

Telepon : 081242988950

Wassalam

Peneliti,



**dr. Yusriwanti Kasri**



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**Contact person dr. Agus Salim Buchari,M.Med,PhD,SpGK (HP. 081241850858)**

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## **Lampiran 2**

### **FORMULIR PERSETUJUAN ORANG TUA MENGIKUTI PENELITIAN SETELAH MENDAPAT PENJELASAN**

Maka saya yang bertanda tangan di bawah ini, orang tua/ wali :

Nama : .....

Pekerjaan : .....

Alamat : .....

Setelah mendengar dan mengerti penjelasan yang diberikan oleh dr. Yusriwanti Kasri tentang penelitian yang akan dilakukannya, bersama ini secara sukarela mengizinkan anak saya :

Nama : .....

Jenis kelamin : Laki-laki / Perempuan

untuk diikutkan dalam penelitian ini.

Saya tahu bahwa saya mempunyai hak untuk menanyakan pada dr. Yusriwanti Kasri apabila masih ada hal-hal yang belum jelas. Saya juga tahu bahwa saya tidak perlu merasa terpaksa mengikutkan anak saya dalam penelitian ini karena penolakan saya tidak akan mempengaruhi hak saya dan keluarga untuk mendapatkan pelayanan kesehatan.

Saya juga mengerti bahwa saya tidak perlu membayar semua biaya pemeriksaan yang ada hubungannya dengan penelitian ini, dan semua biaya perawatan dan pengobatan bila terjadi hal-hal yang tidak diinginkan akan dibiayai oleh peneliti, jika terjadi perselisihan/beda pendapat akan diselesaikan secara musyawarah (kekeluargaan).

Saya percaya bahwa keamanan dan kerahasiaan data penelitian akan terjamin dan saya dengan ini menyetujui semua data yang dihasilkan pada penelitian ini untuk disajikan dalam bentuk lisan maupun tulisan.

Makassar,.....

| NO. | NAMA           | TANDA TANGAN |
|-----|----------------|--------------|
| 1.  | ORANG TUA/WALI | .....        |
| 2.  | SAKSI I        | .....        |
| 3.  | SAKSI II       | .....        |

**Penanggung Jawab Penelitian :**

Nama : dr. Yusriwanti Kasri  
Alamat : Komp.Bukit Antang Indah B3/4  
Makassar  
Telepon : 081242988950

**Penanggung Jawab Medis**

Nama : Dr. dr. Idham Jaya Ganda, Sp. A(K)  
Alamat : Jl. Mapala A III/1  
Makassar  
Telepon : 081342660437



## LAMPIRAN 3

### PROSEDUR PENGAMBILAN SAMPEL

#### Pencatatan data sampel

1. Pada saat masuk PICU RS Wahidin Sudirohusodo pasien yang mengalami sepsis berdasarkan gejala klinis, pemeriksaan fisik dikonfirmasi dengan pemeriksaan laboratorium, kemudian dilakukan pendataan identitas, usia, jenis kelamin, status gizi pasien. Pasien disaring berdasarkan kriteria inklusi dan eksklusi penelitian.
2. Kemudian dilakukan pengukuran produksi urin, kadar kreatinin serum dan LFG pada pasien yang mengalami sepsis, berdasarkan rumus Schwartz, hasilnya dinyatakan dalam ml/menit/1,73 m<sup>2</sup>. Pengukuran produksi urin dilakukan selama 24 jam dengan menghitung produksi urin yang tertera pada urine bag apabila pasien memakai kateter urin. Hasilnya dilaporkan dalam ml/kgbb/jam. Kemudian ditentukan adanya GgGA pada subyek berdasarkan kriteria KDIGO. Pasien dengan gangguan ginjal tidak dimasukkan dalam penelitian. Kemudian dilakukan Informed consent terhadap orangtua/wali pasien.

### **Prosedur pemeriksaan**

1. Pengambilan sampel didahului dengan pemberian penjelasan kepada orang tua/wali tentang tujuan, manfaat penelitian dan cara pengambilan sampel, lalu orang tua /wali diminta untuk mengisi dan menandatangani surat persetujuan sebagai tanda persetujuan untuk penelitian ini.
2. Dilakukan pemeriksaan *KIM-1* urin, kemudian dipantau parameter GgGA berdasarkan kriteria pRIFLE selama dirawat di PICU Pemeriksaan kadar kreatinin serum dilakukan dengan pengambilan sampel darah vena dan diperiksa di laboratorium RSWS, hasilnya dilaporkan dalam mg/dl.
3. Persiapan kit pemeriksaan kadar *KIM-1* urin, sampel harus disimpan di suhu kamar 18-25°C tanpa menggunakan pemanas ekstra dan aduk rata dengan memutar perlahan sebelum memipet.



Gambar 13. Persiapan alat kit dan sampel

4. Tambahkan 100  $\mu$ l standard dan sampel pada tiap lubang, tutup dengan piring sealer dan inkubasi selama 2,5 jam pada suhu kamar dengan getaran lembut.



Gambar 14. Sampel yang telah diberikan reagen dan cairan ELISA

5. Aspirasi cairan dari tiap wadah dan cuci 4 kali. Tambahkan 100  $\mu$ l Biotinylated Detection antibody ke setiap sumur, kocok perlahan dan inkubasi selama 1 jam pada suhu kamar. Tambahkan 100  $\mu$ l HRP- Streptavidin Solution ke setiap sumur dan inkubasi pada suhu kamar selama 45 menit. Tambahkan 100  $\mu$ l TBM substrate solution ke setiap sumur dan inkubasi selama 30 menit pada suhu kamar dalam gelap dengan getaran lembut. Tambahkan 50  $\mu$ l stop solution ke setiap sumur. Segera ukur optical density (nilai OD) setiap sumur menggunakan micro plate reader yang disetel ke 450 nm. Hasil pemeriksaan kadar *KIM-1* urin dilaporkan dalam ng/ml.



Gambar 15. Sampel yang mengalami perubahan warna setelah penambahan substrat



Gambar 16. Sampel yang siap dianalisis

Lampiran 4.



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI  
 UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN  
 KOMITE ETIK PENELITIAN KESEHATAN  
 RSPTN UNIVERSITAS HASANUDDIN  
 RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR  
 Sekretariat : Lantai 2 Gedung Laboratorium Terpadu  
 JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.



Contact Person: dr. Agussalim Bukhari, MMed, PhD, SpGK. TELP. 081241850856, 0411 5780103, Fax : 0411-581431

**REKOMENDASI PERSETUJUAN ETIK**

Nomor : 669/UN4.6.4.5.31/ PP36/ 2021

Tanggal: 15 Oktober 2021

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

|  |   |   |                           |
|--|---|---|---------------------------|
| No Protokol                                      | UH21090536  | No Sponsor<br>Protokol  |                           |
| Peneliti Utama                                   | <b>dr. Yusriwanti Kasri</b>   | Sponsor   |                           |
| Judul Peneliti                                   | PERAN KIDNEY INJURY MOLECULE TYPE-1(KIM-1) URIN DALAM MEMPREDIKSI TERJADINYA GANGGUAN GINJAL AKUT PADA ANAK YANG MENGALAMI SEPSIS                         |   |                           |
| No Versi Protokol                                | 2   | Tanggal Versi   | <b>2 Oktober 2021</b>     |
| No Versi PSP                                     | 2   | Tanggal Versi   | <b>2 Oktober 2021</b>     |
| Tempat Penelitian                                | RS Dr. Wahidin Sudirohusodo Makassar  |   |                           |
| Jenis Review                                     | <input type="checkbox"/> Exempted<br><input type="checkbox"/> Expedited<br><input checked="" type="checkbox"/> Fullboard Tanggal <b>15 September 2021</b> | Masa Berlaku<br><b>15 Oktober 2021</b><br>sampai<br><b>15 Oktober 2022</b>                            | Frekuensi review lanjutan |
| Ketua Komisi Etik Penelitian Kesehatan FKUH      | Nama<br><b>Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)</b>   | Tanda tangan<br> |                           |
| Sekretaris Komisi Etik Penelitian Kesehatan FKUH | Nama<br><b>dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)</b>  | Tanda tangan<br> |                           |

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

## Lampiran 5. Data Dasar Penelitian

| No | RM     | Nama | Tgl lahir  | Usia (Tahun) | Usia | JK | BB   | TB  | Gizi | Diagn osis | Kode Diagn osis | Ventilator/ Tidak ventilator | WBC    | Kode Wbc | Hb   | Kode Hb | Pit     | Kode Pit | CRP   | Prokalsi tonin | IT Ratio | Foto thorax   | Kultur   | Ur awal | Cr awal | LFG  | Penuru nan | KIM-1 (AWAL) | Urine output | Ur/Cr    | KDIGO | GnGA/ Tidak GnGA | KIM-1 (2) |
|----|--------|------|------------|--------------|------|----|------|-----|------|------------|-----------------|------------------------------|--------|----------|------|---------|---------|----------|-------|----------------|----------|---|--|---------|---------|------|------------|--------------|--------------|----------|-------|------------------|-----------|
| 1  | 923809 | GA   | 2/19/2005  | 16.4         | 5    | 2  | 50   | 155 | 1    | 7          | 2               | 2                            | 9000   | 1        | 10.9 | 2       | 265,000 | 1        | 33.2  | 0.16           | 15       |   | tidak ada pertumbuhan aerob                          | 17      | 0.46    | 235  |            | 1.106601     | N            | 37/0,56  | -     | 2                |           |
| 2  | 940470 | ST   | 7/6/2008   | 13           | 4    | 1  | 45   | 152 | 1    | 8          | 1               | 2                            | 13,700 | 2        | 11.7 | 2       | 230,000 | 1        | 13.7  |                |          |   | TAP  | 19      | 0.80    | 133  |            | 1.061116     | N            | -        | -     | 2                |           |
| 3  | 941200 | SM   | 10/16/2005 | 15.6         | 5    | 1  | 75   | 165 | 2    | 3          | 1               | 1                            | 12,400 | 2        | 14.4 | 1       | 230,000 | 1        | 114.5 | 1.52           |          | Pneumonia dextra suspek spesifik  | tidak ada pertumbuhan aerob kultur pus : pantoea spp | 16      | 1.06    | 108  | 1.80%      | 1.029094     | N            | 16/0,69  | -     | 2                |           |
| 4  | 940006 | MF   | 7/18/2020  | 1            | 2    | 1  | 9.5  | 75  | 1    | 3          | 1               | 1                            | 23,700 | 2        | 9.7  | 2       | 542,000 | 1        | 119.2 | 3.35           | 22       | pneumonia bilateral   | darah : candida duobushaemulonii                     | 24      | 0.28    | 84   | 13.50%     | 1.661523     | Oligouria    | 46/0,49  | 2     | 1                | 2.284517  |
| 5  | 940364 | NU   | 5/15/2008  | 13.2         | 4    | 2  | 56   | 165 | 1    | 10         | 1               | 1                            | 12,400 | 2        | 9.5  | 2       | 217,000 | 1        | 24    | 0.16           | 11       | cor dan pulmo dbn   | TAP  | 48      | 0.77    | 150  |            | 1.045832     | N            | 28/0,3   | -     | 2                |           |
| 6  | 938939 | HA   | 3/28/2019  | 2.4          | 2    | 1  | 10   | 92  | 2    | 1          | 1               | 1                            | 9,200  | 1        | 14.4 | 1       | 42,000  | 2        | 165.6 | >200           | 23       | pneumonia bilateral   | TAP  | 12      | 0,38    | 33.9 | 68%        | 1.780513     | N            | 141/1,49 | 3     | 1                | 2.304632  |
| 7  | 935337 | VI   | 3/29/2021  | 0.4          | 1    | 1  | 4    | 51  | 1    | 1          | 2               | 2                            | 11,100 | 2        | 13.5 | 1       | 364,000 | 1        | 3.9   | 40.92          | 12       |   | tidak ada pertumbuhan aerob                          | 20      | 0.3     | 93.5 |            | 0.386112     | N            | 13/0,3   | -     | 2                |           |
| 8  | 941643 | MA   | 9/12/2020  | 0.9          | 1    | 1  | 11   | 75  | 2    | 1          | 2               | 2                            | 22,800 | 2        | 7.8  | 2       | 669,000 | 1        | 264.5 | 0.84           | 12       | sugestif bronchopneumonia bilateral + kardiomegali + efusi pleura bilateral minimal | tidak ada pertumbuhan aerob                          | 11      | 0.32    | 128  |            | 0.407581     | N            | 15/0,29  | -     | 2                |           |
| 9  | 938595 | HA   | 12/15/2019 | 1.6          | 2    | 2  | 10   | 72  | 1    | 1          | 2               | 2                            | 23,700 | 2        | 8    | 2       | 8,000   | 2        |       | <0,05          |          | pneumonia bilateral, cor batas normal   | urine tidak ada pertumbuhan bakteri aerob            | 190     | 1.68    | 23.5 | 68.20%     | 1.977858     | Oliguria     | 91/3,49  | 3     | 1                | 2.261859  |
| 10 | 902915 | MA   | 11/1/2004  | 16.8         | 5    | 1  | 35   | 140 | 1    | 10         | 2               | 2                            | 21,900 | 2        | 2.7  | 2       | 179,000 | 1        |       |                |          | pneumonia bilateral, cardiomegali   | tidak ada pertumbuhan aerob                          | 46      | 0.55    | 178  |            | 1.366778     | N            | 34/0,26  | -     | 2                |           |
| 11 | 594340 | AR   | 8/26/2005  | 16           | 5    | 2  | 53   | 155 | 1    | 10         | 2               | 2                            | 3,000  | 2        | 7.1  | 2       | 131,000 | 2        | 52.1  | 0.14           | 12       |   | tidak ada pertumbuhan aerob                          | 13      | 0.41    | 264  |            | 1.999006     | N            | 18/0,52  | -     | 2                |           |
| 12 | 933444 | MH   | 12/30/2020 | 0.6          | 1    | 1  | 5.5  | 64  | 2    | 3          | 2               | 1                            | 22,500 | 2        | 6.3  | 2       | 362,000 | 1        | 20.6  | 0.17           | 12       | Pneumonia dextra  | TAP  | 3       | 0.2     | 176  |            | 0.386112     | N            | 18/0,22  | -     | 2                |           |
| 13 | 917042 | FA   | 5/9/2019   | 2.2          | 2    | 2  | 9.1  | 76  | 1    | 1          | 2               | 1                            | 13,300 | 2        | 4.1  | 2       | 547,000 | 1        | 71.1  | 135.57         |          | Pneumonia bilateral   | TAP  | 21      | 0,10    | 154  |            | 1.727386     | Oligouria    | 11/0,27  | 3     | 1                | 2.302094  |
| 14 | 942816 | DZ   | 9/10/2015  | 6            | 3    | 1  | 25   | 120 | 1    | 3          | 1               | 1                            | 28,300 | 2        | 6.4  | 2       | 456,000 | 1        |       | 74.09          |          | Pneumonia dextra  | TAP  | 26      | 0.6     | 110  |            | 1.596725     | N            | 12/0,3   | -     | 2                |           |
| 15 | 943140 | YA   | 2/26/2009  | 12.5         | 4    | 1  | 68   | 155 | 1    | 5          | 2               | 2                            | 13,400 | 2        | 11.6 | 2       | 42,000  | 2        |       |                |          |   | TAP  | 79      | 2.95    | 36.7 | 65%        | 2.290677     | oliguria     | -        | 3     | 1                | 2.501888  |
| 16 | 935347 | RA   | 1/30/2019  | 2.5          | 1    | 1  | 12   | 84  | 1    | 10         | 2               | 2                            | 20,400 | 2        | 14.1 | 1       | 727,000 | 1        | 77.5  | 65.3           |          |   | TAP  | 42      | 0.51    | 90.5 | 14.60%     | 0.375923     |              | 12/0,3   | -     | 2                |           |
| 17 | 943012 | AM   | 3/22/2021  | 0.5          | 1    | 1  | 4.4  | 57  | 2    | 1          | 2               | 1                            | 13,900 | 2        | 13.2 | 1       | 62,000  | 2        | 5.6   | 1.6            |          | Pneumonia bilateral   | tidak ada pertumbuhan aerob                          | 23      | 0.76    | 33.7 | 54%        | 2.012907     |              | 31/0,66  | 3     | 1                | 2.142046  |
| 18 | 932985 | AA   | 8/7/2020   | 1.1          | 2    | 1  | 9    | 67  | 1    | 5          | 2               | 2                            | 22,000 | 2        | 12.6 | 1       | 562,000 | 1        |       |                |          | Pneumonia bilateral   | TAP  | 9       | 0.22    | 167  |            | 0.342446     |              | 8/0,26   | -     | 2                |           |
| 19 | 939779 | MA   | 7/6/2018   | 3            | 2    | 1  | 17   | 68  | 1    | 2          | 1               | 2                            | 11,800 | 2        | 11.6 | 1       | 483,000 | 1        |       | 0.9            |          | Pneumonia bilateral   | TAP  | 34      | 0.46    | 81   |            | 1.825271     |              | 24/0,46  | 2     | 1                | 2.317325  |
| 20 | 943295 | MR   | 10/25/2003 | 17.8         | 5    | 1  | 36.7 | 156 | 2    | 1          | 2               | 2                            | 24,800 | 2        | 11.7 | 2       | 460,000 | 1        | 13.6  | 0.93           | 18       | Pneumonia bilateral + pneumothorax sinistra disertai                                | tidak ada pertumbuhan aerob                          | 13      | 0.5     | 218  |            | 1.646968     |              | 15/0,5   | -     | 2                |           |

| No | RM     | Nama | Tgl lahir  | Usia (Tahun) | Usia | JK | BB   | TB  | Gizi | Diagn osis | Kode Diagn osis | Ventilator/ Tidak ventilator | WBC    | Kode Wbc | Hb   | Kode Hb | Pit     | Kode Pit | CRP   | Prokalsi tonin | IT Ratio | Foto thorax  | Kultur                            | Ur awal | Cr awal | LFG  | Penuru nan | KIM-1 (AWAL) | Urine output | Ur/Cr   | KDIGO | GnGA/ Tidak GnGA | KIM-1 (2) |
|----|--------|------|------------|--------------|------|----|------|-----|------|------------|-----------------|------------------------------|--------|----------|------|---------|---------|----------|-------|----------------|----------|--|-----------------------------------|---------|---------|------|------------|--------------|--------------|---------|-------|------------------|-----------|
|    |        |      |            |              |      |    |      |     |      |            |                 |                              |        |          |      |         |         |          |       |                |          | kolaps paru  |                                   |         |         |      |            |              |              |         |       |                  |           |
| 21 | 873644 | MA   | 8/29/2018  | 3            | 2    | 1  | 2.6  | 32  | 2    | 1          | 2               | 2                            | 16,500 | 2        | 11   | 1       | 420,000 | 1        | 31.2  | 0.24           | 14       | Pneumonia bilateral + Lymphadenopathy hilus dextra             | tidak ada pertumbuhan aerob       | 14      | 0.3     | 58.6 | 44.70%     | 1.815082     |              | 7/0,32  | 1     | 1                | 2.313615  |
| 22 | 943250 | AS   | 4/26/2005  | 16           | 5    | 2  | 33.5 | 142 | 1    | 11         | 2               | 2                            | 3,600  | 2        | 6.8  | 2       | 229,000 | 1        | 6.6   | 0.07           |          | Pneumonia bilateral + cardiomegali disertai dilatasi aortae    | TAP                               | 33      | 0.68    | 146  |            | 1.538894     |              | 36/0,6  | -     | 2                |           |
| 23 | 685674 | AA   | 10/2/2013  | 7.8          | 3    | 1  | 25   | 120 | 1    | 12         | 1               | 1                            | 23,200 | 2        | 12.4 | 1       | 484,000 | 1        | 18.6  | 61.5           |          | Pneumonia dextra   | TAP                               | 43      | 0.85    | 77.6 | 26.70%     | 1.999207     |              | 35/0,7  | 2     | 1                | 2.407302  |
| 24 | 932762 | AA   | 3/10/2021  | 0.5          | 1    | 1  | 4.9  | 59  | 1    | 1          | 2               | 2                            | 13,600 | 2        | 8.8  | 2       | 99,000  | 2        | 7.4   | 2.36           |          | Pneumonia bilateral, lymphadenopathy dextra, ascites           | TAP                               | 7       | 0.03    | 108  |            | 0.341354     |              | 18/0,2  | -     | 2                |           |
| 25 | 937445 | MA   | 3/30/2021  | 0.5          | 1    | 1  | 3.4  | 52  | 1    | 1          | 2               | 2                            | 11,900 | 2        | 11.9 | 1       | 538,000 | 1        | 2.3   | 0.3            |          | Pneumonia bilateral  | tidak ada pertumbuhan aerob       | 37      | 0.23    | 124  |            | 0.292958     |              | 18/0,10 | -     | 2                |           |
| 26 | 944178 | AQ   | 3/7/2021   | 0.5          | 1    | 1  | 8    | 67  | 1    | 5          | 2               | 2                            | 18,900 | 2        | 7.5  | 2       | 319,000 | 1        |       |                |          | Bronkopneumonia bilateral                                      | TAP                               | 8       | 0.21    | 175  |            | 0.275855     |              | -       | -     | 2                |           |
| 27 | 944174 | BNT  | 7/8/2021   | 0.1          | 1    | 1  | 2.6  | 52  | 2    | 9          | 2               | 2                            | 58,300 | 2        | 9.5  | 1       | 944,000 | 1        | 130   | 5.39           |          | Pneumonia bilateral  | tidak ada pertumbuhan aerob       | 60      | 0.52    | 45   |            | 0.258389     |              | 8/0,21  | -     | 2                |           |
| 28 | 944337 | SR   | 7/2/2020   | 1.1          | 2    | 2  | 8.5  | 70  | 1    | 10         | 2               | 1                            | 20,400 | 2        | 7.1  | 2       | 147,000 | 2        | 1     | >100           | 23       | Pneumonia dextra   | tidak ada pertumbuhan aerob       | 55      | 0.58    | 66.3 | 10.40%     | 1.855201     |              | -       | 2     | 1                | 2.258147  |
| 29 | 912514 | MF   | 20/12/2013 | 6,2          | 3    | 1  |      |     | 2    | 10         | 2               | 2                            | 2,900  | 2        | 10   | 2       | 105,000 | 2        | 6,7   | 2,15           | 12       |  | TAP                               | 21      | 0,44    | N    |            | 1.587097     |              | 21/0,44 | -     | 2                |           |
| 30 | 944699 | AG   | 2/1/2008   | 13.5         | 4    | 1  | 36   | 140 | 1    | 3          | 1               | 1                            | 6,500  | 1        | 12.1 | 1       | 214,000 | 1        | 50.2  | 1.38           | 13       | Cor dan pulmo normal   | TAP                               | 41      | 0,46    | 200  |            | 1.393341     |              | 16/0,49 | -     | 2                |           |
| 31 | 800664 | AN   | 2/2/2016   | 5.5          | 3    | 1  | 18   | 110 | 2    | 1          | 2               | 1                            | 12,700 | 2        | 13.6 | 1       | 317,000 | 1        | 45.8  | 0.99           | 12       | pneumonia dextra + sugestif atelektasis lobus atas paru dextra | TAP                               | 8       | 0.32    | 189  |            | 1.582577     |              | 10/0,31 | -     | 2                |           |
| 32 | 908186 | NA   | 4/6/2019   | 2.3          | 2    | 2  | 6.5  | 62  | 2    | 1          | 2               | 2                            | 8,600  | 1        | 11.9 | 1       | 247,000 | 1        | 0.1   | 0.09           | 11       | Pneumonia bilateral  | TAP                               | 4       | 0.22    | 155  |            | 1.581791     |              | 10/0,22 | -     | 2                |           |
| 33 | 945477 | KI   | 11/11/2020 | 0.7          | 1    | 2  | 7.7  | 71  | 1    | 6          | 2               | 1                            | 20,100 | 2        | 11.4 | 1       | 407,000 | 1        |       |                |          |  | TAP                               | 17      | 0,25    | 156  |            | 1.56096      |              | -       | -     | 2                |           |
| 34 | 939063 | NU   | 3/15/2017  | 4.4          | 2    | 2  | 15   | 125 | 1    | 8          | 1               | 2                            | 24,200 | 2        | 11.7 | 1       | 444,000 | 1        | 20.3  | 0.16           |          | tidak tampak kelainan  | TAP                               | 13      | 0,4     | 298  |            | 1.547791     |              | 11/0,23 | -     | 2                |           |
| 35 | 940538 | AQ   | 1/5/2016   | 5.5          | 3    | 1  | 17.6 | 104 | 1    | 1          | 1               | 1                            | 14,300 | 2        | 13.8 | 1       | 295,000 | 1        | 195.7 | 38.6           | 18       | Cor dan pulmo normal   | urine tidak ada pertumbuhan aerob | 24      | 0.4     | 143  |            | 1.520662     |              | 21/0,37 | -     | 2                |           |
| 36 | 945171 | RI   | 10/24/2013 | 7.8          | 3    | 2  | 18   | 115 | 1    | 10         | 2               | 2                            | 2,250  | 2        | 9.2  | 2       | 21,000  | 2        | 24.5  | 13.15          |          | Cardiomegali disertai edema paru + Efusi Pleura bilatera       | TAP                               | 174     | 4.5     | 14   | 86.70%     | 2.059248     |              | 59/2,96 | 3     | 1                | 2.458603  |
| 37 | 945196 | UW   | 9/6/2004   | 17           | 5    | 1  | 70   | 170 | 1    | 3          | 2               | 2                            | 17,500 | 2        | 12.6 | 1       | 275,000 | 1        |       |                |          |  | TAP                               | 68      | 1.26    | 94.4 | 14.1       | 1.823438     |              | 25/0,87 | -     | 2                |           |
| 38 | 942490 | AL   | 5/1/2017   | 4.3          | 2    | 2  | 13   | 96  | 1    | 2          | 1               | 2                            | 8,800  | 1        | 9.4  | 2       | 119,000 | 2        | 78.9  | kosong         | 14       | Lymphadenopathy hilar dextra, cor dan pulmo normal             | TAP                               | 15      | 0,38    | 101  | 4.70%      | 1.870756     |              | 18/0,52 | 2     | 1                | 2.36203   |
| 39 | 945033 | NA   | 6/24/2010  | 11.1         | 4    | 1  | 35   | 140 | 1    | 3          | 1               | 1                            | 20,300 | 2        | 15   | 1       | 321,000 | 1        |       |                |          | tidak tampak kelainan radiologik                               | TAP                               | 29      | 0.56    | 137  |            | 1.689623     |              | -       | -     | 2                |           |
| 40 | 940354 | NI   | 11/22/2020 | 0.7          | 1    | 1  | 6    | 65  | 2    | 6          | 2               | 1                            | 21,400 | 2        | 8.1  | 2       | 119,000 | 2        | 0.7   | <0,05          |          | pneumonia bilateral  | TAP                               | 17      | 0,29    | 36.5 | 50.60%     | 1.431549     |              | 53/0,8  | 3     | 1                | 2.188774  |
| 41 | 939766 | NA   | 3/7/2021   | 0.5          | 1    | 2  | 5    | 53  | 1    | 2          | 1               | 2                            | 19,300 | 2        | 12.7 | 1       | 509,000 | 1        | 58.9  | 0.56           |          | tidak tampak kelainan  | TAP                               | 10      | 0,4     | 79.5 |            | 0.218362     |              | 13/0,3  | -     | 2                |           |

| No | RM     | Nama | Tgl lahir  | Usia (Tahun) | Usia | JK | BB   | TB  | Gizi | Diagn osis | Kode Diagn osis | Ventilator/ Tidak ventilator | WBC    | Kode Wbc | Hb   | Kode Hb | Pit     | Kode Pit | CRP   | Prokalsi tonin | IT Ratio | Foto thorax  | Kultur  | Ur awal | Cr awal | LFG  | Penuru nan | KIM-1 (AWAL) | Urine output | Ur/Cr   | KDIGO | GnGA/ Tidak GnGA | KIM-1 (2) |
|----|--------|------|------------|--------------|------|----|------|-----|------|------------|-----------------|------------------------------|--------|----------|------|---------|---------|----------|-------|----------------|----------|--|---|---------|---------|------|------------|--------------|--------------|---------|-------|------------------|-----------|
| 42 | 929348 | MU   | 1/21/2021  | 0.6          | 1    | 1  | 4.9  | 58  | 2    | 2          | 1               | 2                            | 9,900  | 1        | 9.8  | 1       | 410,000 | 1        | 54    | 6.12           | 11       | tidak tampak kelainan  | darah : staphilococcus homidis                        | 16      | 0.59    | 44.2 | 40.2       | 1.913803     |              | 46/0,46 | 2     | 1                | 2.159645  |
| 43 | 938149 | BS   | 4/27/2021  | 0.3          | 1    | 1  | 4    | 50  | 2    | 10         | 2               | 2                            | 31,900 | 2        | 10   | 1       | 199,000 | 1        | 10    | 4.06           |          |  | feces: stenotrophomas maltophilia/bacil gram negative | 7       | 0.3     | 75   |            | 0.196165     |              | 18/0,2  | -     | 2                |           |
| 44 | 931707 | BP   | 2/10/2021  | 0.5          | 1    | 1  | 2.5  | 47  | 2    | 1          | 1               | 1                            | 23,900 | 2        | 10.9 | 2       | 516,000 | 1        |       | 0.84           | 13       | Pneumonia bilateral  | ETT ; gram negatif, bacil satu2, kuantlitas positif 2 | 50      | 0.35    | 60.4 | 18.3       | 0.05607      |              | 24/0,25 | -     | 2                |           |
| 45 | 941704 | AM   | 6/8/2021   | 0.1          | 1    |    | 4.2  | 54  | 1    | 1          | 2               | 2                            | 14,800 | 2        | 13.5 | 1       | 625,000 | 1        |       | 0.96           |          | Bronchopneumonia   | TAP   | 14      | 0.25    | 118  |            | 0.046973     |              | -       | -     | 2                |           |
| 46 | 823283 | AA   | 12/28/2014 | 6.6          | 3    | 2  | 18   | 89  | 1    | 2          | 1               | 2                            | 15,800 | 2        | 10.4 | 2       | 551,000 | 1        | 31.5  | 1.08           | 15       | tidak tampak kelainan  | TAP   | 12      | 0.26    | 163  |            | 1.792647     |              | 6/0,3   | -     | 2                |           |
| 47 | 941315 | RE   | 9/28/2012  | 8.9          | 3    | 2  | 25   | 130 | 1    | 1          | 2               | 2                            | 13,500 | 2        | 11.6 | 2       | 260,000 | 1        | 17.1  | 0.48           | 13       |  | darah : enterobacter cloacae complex                  | 23      | 0.39    | 183  |            | 1.759689     |              | 21/0,3  | -     | 2                |           |
| 48 | 793765 | AM   | 6/28/2016  | 5.1          | 3    | 2  | 6.2  | 73  | 2    | 1          | 2               | 2                            | 9,400  | 1        | 10.9 | 2       | 158,000 | 1        | 16.8  | 0.2            |          |  | tidak ada pertumbuhan aerob                           | 11      | 0.18    | 223  |            | 1.758315     |              | 5/0,21  | -     | 2                |           |
| 49 | 940427 | AS   | 5/17/2021  | 0.3          | 1    | 1  | 4.1  | 56  | 2    | 10         | 2               | 2                            | 15,500 | 2        | 7.2  | 2       | 441,000 | 1        | 10.8  | 2.79           |          |  | feces : kliebsiella pneumonia/bacil gram negatif      | 16      | 0.3     | 102  |            | 0.443606     |              | 4/0,23  | -     | 2                |           |
| 50 | 941865 | MA   | 12/30/2013 | 7.6          | 3    | 1  | 17.5 | 119 | 2    | 10         | 2               | 2                            | 7,600  | 1        | 11.6 | 2       | 332,000 | 1        | 8.3   | 0.31           | 15       | tidak tampak kelainan  | Kultur feces ada pertumbuhan                          | 21      | 0.43    |      |            | 1.699831     |              | 18/0,38 | -     | 2                |           |
| 51 | 914937 | KLI  | 13/11/2006 | 15           | 4    | 2  |      |     | 1    | 9          | 2               | 1                            | 45,160 | 2        | 8,9  | 2       | 864,000 | 1        | 310,4 | 48,99          | 14       | Hidropneumothorax dextra + pneumonia sinistra                | TAP   | 24      | 0,48    |      |            | 1.904985     | N            | -       | -     | 2                |           |
| 52 | 913373 | IN   | 8/28/2011  | 10           | 4    | 1  |      |     | 2    | 10         | 2               | 1                            | 23,600 | 2        | 13,4 | 1       | 147,000 | 2        | 8,2   | 1,61           | 12       |  | TAP   | 42      | 0,31    |      |            | 1.834223     | N            | 30/0,31 | -     | 2                |           |
| 53 | 917329 | MA   | 5/3/2015   | 5,2          | 3    | 1  |      |     | 2    | 1          | 2               | 1                            | 28,300 | 2        | 12,1 | 1       | 403,000 | 1        | 16,9  | 11,4           | 12       | Pneumomediastinum + pneumonia bilateral + emphysema subkutis | TAP   | 25      | 0,25    |      |            | 1.82383      | N            | 11/0,2  | -     | 2                |           |
| 54 | 917400 | NA   | 7/11/2019  | 0,6          | 1    | 1  |      |     | 1    | 6          | 2               | 2                            | 22,100 | 2        | 10,2 | 2       | 518,000 | 1        | 3,7   | 11,14          | 12       | Pneumonia bilateral  | TAP   | 13      | 0,3     |      |            | 0.92102      | N            | -       | -     | 2                |           |
| 55 | 913758 | FS   | 14/2/2013  | 7            | 3    | 1  |      |     | 2    | 2          | 1               | 2                            | 12,700 | 1        | 10,8 | 2       | 349,000 | 1        | 223,8 | 15,19          | 10       | tidak tampak kelainan  | Staphylococcus saphrophyticus                         | 21      | 0,54    |      |            | 1.995204     | N            | 31/0,6  | 1     | 1                | 2.407302  |
| 56 | 886792 | JU   | 12/9/2018  | 1,4          | 2    | 2  |      |     | 2    | 1          | 2               | 1                            | 9,700  | 1        | 11,3 | 1       | 248,000 | 1        | 13,8  | 2,86           | 12       | Pneumonia bilateral + emphysema subkutis                     | Candida albicans                                      | 14      | 0,2     |      |            | 0.899187     | N            | 15/0,3  | -     | 2                |           |
| 57 | 919239 | MP   | 1/12/2018  | 1,7          | 2    | 1  |      |     | 2    | 9          | 2               | 1                            | 7,260  | 1        | 11,1 | 1       | 368,000 | 1        | 15,1  | 2,4            | 12       | Pneumonia dextra + susp. Massa paru sinistra                 | Candida tropicalis                                    | 52      | 0,61    |      |            | 0.871896     | N            | 20/0,23 | -     | 2                |           |
| 58 | 915205 | HK   | 4/9/2010   | 9,4          | 3    | 1  |      |     | 1    | 1          | 2               | 1                            | 30,610 | 2        | 13,1 | 1       | 250,000 | 1        | 106,1 | 11,64          | 11       | tanda -tanda edema paru                                      | TAP   | 20      | 0,55    |      |            | 2.169868     | N            | 14/0,49 | 1     | 1                | 2.481223  |
| 59 | 912326 | MR   | 12/12/2007 | 12,2         | 4    | 1  |      |     | 1    | 6          | 2               | 2                            | 16,300 | 2        | 11,1 | 2       | 392,000 | 1        | 14,2  | 2,24           | 10       | tidak tampak kelainan  | TAP   | 21      | 0,59    |      |            | 1.287451     | N            | -       | -     | 2                |           |
| 60 | 913721 | AH   | 14/2/2017  | 3            | 2    | 1  |      |     | 2    | 2          | 1               | 2                            | 11,560 | 1        | 13,7 | 1       | 156,000 | 1        | 106,3 | 6,24           | 11       | tidak tampak kelainan  | TAP   | 23      | 0,3     |      |            | 0.958137     | N            | -       | -     | 2                |           |
| 61 | 899717 | YS   | 25/6/2004  | 15,5         | 5    | 1  |      |     | 2    | 1          | 2               | 1                            | 8,500  | 1        | 10   | 2       | 296,000 | 1        | 98,5  | 12,2           | 12       | bronkopneumonia dextra                                       | Strenotrophomonas maltophilia                         | 31      | 0,4     |      |            | 1.326387     | N(0,85)      | 25/0,42 | -     | 2                |           |

| No | RM     | Nama | Tgl lahir  | Usia (Tahun) | Usia | JK | BB   | TB | Gizi | Diagn osis | Kode Diagn osis | Ventilator/ Tidak ventilator | WBC    | Kode Wbc | Hb   | Kode Hb | Pit     | Kode Pit | CRP   | Prokalsi tonin | IT Ratio | Foto thorax                                       | Kultur                                       | Ur awal | Cr awal | LFG   | Penuru nan | KIM-1 (AWAL) | Urine output | Ur/Cr   | KDIGO | GnGA/ Tidak GnGA | KIM-1 (2) |
|----|--------|------|------------|--------------|------|----|------|----|------|------------|-----------------|------------------------------|--------|----------|------|---------|---------|----------|-------|----------------|----------|---|--|---------|---------|-------|------------|--------------|--------------|---------|-------|------------------|-----------|
| 62 | 916484 | MD   | 5/4/2018   | 1,8          | 2    | 1  |      |    | 1    | 2          | 1               | 1                            | 32,900 | 2        | 3,1  | 2       | 413,000 | 1        | 78,5  | 11,26          | 14       | Pneumonia bilateral                               | TAP  | 14      | 0,21    |       |            | 1.85775      | N            | 16/0,21 | -     | 2                |           |
| 63 | 916827 | IF   | 19/2/2020  | 1.8          | 1    | 2  |      |    | 1    | 7          | 2               | 2                            | 30,610 | 2        | 8,6  | 2       | 488,000 | 1        | 26,2  | 3,61           | 12       | tidak tampak kelainan                             | TAP  | 13      | 0,3     |       |            | 0            | N            | -       | -     | 2                |           |
| 64 | 910688 | RH   | 21/7/2016  | 3,6          | 2    | 2  |      |    | 1    | 2          | 1               | 2                            | 24,500 | 2        | 12,3 | 1       | 316,000 | 1        | 137,5 | 7,35           | 11       | tidak tampak kelainan                             | TAP  | 17      | 0,3     |       |            | 1.8693       | N            | 9/0,35  | 1     | 1                | 2.320644  |
| 65 | 915192 | MR   | 31/5/2016  | 5.5          | 2    | 1  |      |    | 2    | 6          | 2               | 1                            | 14,980 | 1        | 8,6  | 2       | 457,000 | 1        | 93,3  | 6,12           | 11       | Pneumonia bilateral                               | TAP  | 16      | 0,4     |       |            | 2.320644     | N            | -       | 1     | 1                | 2.320058  |
| 66 | 911007 | BNH  | 13/2/2020  | 0,3          | 1    | 2  |      |    | 1    | 1          | 2               | 2                            | 16,100 | 1        | 7,2  | 2       | 296,000 | 1        | 30,9  | 3,48           | 12       | tidak tampak kelainan                             | TAP  | 10      | 0,4     |       |            | 1.94417      | N            | 12/0,37 | 1     | 1                | 2.09882   |
| 67 | 921284 | AZ   | 17/6/2018  | 2,3          | 2    | 2  |      |    | 1    | 1          | 2               | 1                            | 9,900  | 1        | 12,9 | 1       | 367,000 | 1        | 45,7  | 11,11          | 11       | Pneumonia sinistra                                | TAP  | 53      | 0,34    |       |            | 1.688814     | N            | 89/0,65 | 3     | 1                | 2.290181  |
| 68 | 920382 | AF   | 18/8/2020  | 0,4          | 1    | 2  |      |    | 1    | 6          | 2               | 1                            | 10,250 | 1        | 11   | 1       | 176,000 | 1        | 5,7   | >200           | 13       | Pneumonia bilateral + efusi pleura dextra         | Acinetobacter Baumannii                      | 30      | 0,38    |       |            | 1.889307     | N            | 30/1,18 | 3     | 1                | 2.090017  |
| 69 | 916637 | MR   | 27/8/2019  | 0,9          | 1    | 2  |      |    | 1    | 1          | 2               | 1                            | 21,300 | 2        | 11,3 | 1       | 52,000  | 2        | 11,4  | 4,87           | 11       | Pneumonia bilateral                               | TAP  | 45      | 0,34    |       |            | 1.450471     | N            | 121/2,2 | 3     | 1                | 2.223173  |
| 70 | 917817 | AC   | 21/11/2019 | 0,7          | 1    | 2  |      |    | 1    | 1          | 2               | 2                            | 21,600 | 2        | 10,5 | 2       | 171,000 | 1        | 24    | 1,62           | 14       | Pneumonia dextra                                  | Klasiella pneumonia                          | 50      | 0,09    |       |            | 1.95416      | N            | 22/0,34 | 1     | 1                | 2.192293  |
| 71 | 916395 | MG   | 28/5/2020  | 0,2          | 1    | 1  |      |    | 2    | 2          | 1               | 1                            | 40,500 | 2        | 13,1 | 1       | 200,000 | 1        | 64,9  | >200           | 22       | Tidak tampak kelainan                             | TAP  | 5       | 0,33    |       |            | 1.969241     | N            | 61/1,24 | 3     | 1                | 2.034049  |
| 72 | 911206 | NM   | 17/8/2015  | 4,5          | 2    | 2  |      |    | 1    | 1          | 1               | 1                            | 24,300 | 2        | 12,2 | 1       | 690,000 | 1        | 11,3  | 20,17          | 11       | Pneumonia sinistra + Lymphadenopathy hilar dextra | TAP  | 13      | 0,46    |       |            | 1.895136     | N            | 10/0,5  | 2     | 1                | 2.363591  |
| 73 | 910402 | TI   | 3/6/2007   | 12,7         | 4    | 2  |      |    | 2    | 6          | 2               | 1                            | 5,500  | 1        | 9,3  | 2       | 83,000  | 2        | 13,9  | 18,86          | 11       | Pneumonia bilateral                               | Pseudomonas aeriginosa                       | 60      | 0,59    |       |            | 2.36203      | Oligouria    | 32/0,3  | -     | 1                | 2.36203   |
| 74 | 919945 | NA   | 1/2/2011   | 9,5          | 3    | 2  |      |    | 2    | 2          | 1               | 1                            | 24,320 | 2        | 7,2  | 2       | 799,000 | 1        | 20,6  | 35,2           | 11       | Pneumonia dextra + efusi pleura dextra            | TAP  | 35      | 0,44    |       |            | 2.225178     | Oligouria    | 19/0,45 | -     | 1                | 2.493505  |
| 75 | 912514 | MF   | 20/12/2013 | 6,2          | 3    | 1  |      |    | 2    | 6          | 2               | 2                            | 2,900  | 2        | 10   | 2       | 105,000 | 2        | 6,7   | 2,15           | 12       |   | TAP  | 21      | 0,44    |       |            | 1.596725     | N            | -       | -     | 2                |           |
| 76 | 901331 | AZ   | 1/1/2004   | 16           | 5    | 2  |      |    | 2    | 6          | 2               | 1                            | 18,640 | 2        | 10,5 | 2       | 406,000 | 1        | 43,9  | 20,7           | 12       | Bronchopneumonia bilateral                        | Streptomonas Maltophilia                     | 30      | 0,48    |       |            | 1.212127     | N            | 10/0,4  | -     | 2                |           |
| 77 | 917400 | NA   | 7/11/2019  | 0,6          | 1    | 1  |      |    | 1    | 6          | 2               | 2                            | 22,100 | 2        | 10,2 | 2       | 518,000 | 1        | 3,7   | 11,14          | 12       | Pneumonia bilateral                               | TAP  | 13      | 0,3     |       |            | 0            | N            | -       | -     | 2                |           |
| 78 | 911004 | MK   | 21/1/2005  | 5            | 2    | 1  |      |    | 1    | 3          | 1               | 1                            | 7,900  | 1        | 12,4 | 1       | 433,000 | 1        | 60,2  | 28,83          | 11       | Tanda-tanda bendungan paru + pneumonia dextra     | TAP  | 17      | 0,59    |       |            | 1.94608      | N            | 28/0,6  | 1     | 1                | 2.364372  |
| 79 | 651733 | SM   | 14/5/2012  | 8            | 3    | 2  |      |    | 2    | 1          | 2               | 1                            | 21,200 | 2        | 9    | 2       | 611,000 | 1        | 14,2  | 2,27           | 12       | Pneumonia dextra                                  | TAP  | 9       | 0,24    |       |            | 1.484086     | N            | 23/0,21 | -     | 2                |           |
| 80 | 918340 | MT   | 28/9/2008  | 11,7         | 4    | 1  |      |    | 2    | 2          | 1               | 2                            | 20,800 | 2        | 14,5 | 1       | 201,000 | 1        | 192,4 | 6,43           | 15       |   | TAP  | 19      | 0,21    |       |            | 1.667632     | N            | -       | -     | 2                |           |
| 81 | 945786 | AY   | 2/18/2021  | 0.5          | 1    | 1  | 7    | 70 | 1    | 1          | 2               | 2                            | 6,700  | 1        | 10,9 | 2       | 90,000  | 2        |       |                | 14       |   | TAP  | 19      | 0,29    | 108   |            | 1.335484     |              | 8/0,4   | 1     | 1                | 2.138917  |
| 82 | 922533 | RE   | 25/6/2007  | 13,25        | 4    | 1  |      |    | 2    | 11         | 2               | 2                            | 9,000  | 1        | 13,2 | 1       | 205,000 | 1        | 43    | 3,97           | 12       | Cardiomegali disertai tanda-tanda edema paru      | Klasiella pneumonia, Acinetobacter baumannii | 74      | 0,53    |       |            | 1.443193     | N            | 25/0,79 | -     | 2                |           |
| 83 | 922831 | KC   | 11/5/2020  | 1            | 1    | 2  | 10.5 | 71 | 1    | 1          | 2               | 2                            | 20,600 | 2        | 8,5  | 2       | 815,000 | 1        | 168,6 | 3,3            | 15       | tidak tampak kelainan                             | TAP  | 10      | 0,2     |       |            | 0            | N            | 11/0,2  | -     | 2                |           |
| 84 | 922031 | FZ   | 5/10/2020  | 1.5          | 1    | 1  | 4    | 60 | 2    | 1          | 2               | 1                            | 3,400  | 1        | 6,6  | 2       | 27,000  | 2        | 62,7  | 37,9           | 18       | pneumonia bilateral sup.bakterial                 | darah : Bukhlorderia cepacia ETT:Pseudomona  | 13      | 0,32    | 103.1 |            | 0            | N            | 22/0,20 |       | 2                |           |

| No  | RM     | Nama             | Tgl lahir  | Usia (Tahun) | Usia | JK | BB   | TB  | Gizi | Diagn osis | Kode Diagn osis | Ventilator/ Tidak ventilator | WBC    | Kode Wbc | Hb   | Kode Hb | Pit     | Kode Pit | CRP   | Prokalsi tonin | IT Ratio | Foto thorax                                     | Kultur  | Ur awal | Cr awal | LFG    | Penuru nan | KIM-1 (AWAL) | Urine output | Ur/Cr   | KDIGO   | GnGA/ Tidak GnGA | KIM-1 (2) |  |
|-----|--------|------------------|------------|--------------|------|----|------|-----|------|------------|-----------------|------------------------------|--------|----------|------|---------|---------|----------|-------|----------------|----------|---|---|---------|---------|--------|------------|--------------|--------------|---------|---------|------------------|-----------|--|
|     |        |                  |            |              |      |    |      |     |      |            |                 |                              |        |          |      |         |         |          |       |                |          |   | aeruginosa  |         |         |        |            |              |              |         |         |                  |           |  |
| 85  | 952933 | MF               | 9/29/2021  | 1.5          | 1    | 1  | 6.5  | 60  | 1    | 3          | 1               | 2                            | 14,200 | 2        | 9.9  | 2       | 106,000 | 2        | 159.7 | 32.03          | 13       | tidak tampak kelainan                           | tidak ada pertumbuhan aerob                         | 14      | 0.29    | 113.79 |            | 0            | N            | 10/0,36 |         | 2                |           |  |
| 86  | 923566 | MAF              | 7/26/2019  | 2            | 1    | 1  | 8    | 58  | 2    | 2          | 1               | 1                            | 10,000 | 1        | 16.7 | 1       | 548,000 | 2        | 76.7  | 5.4            | 10       | tidak tampak kelainan                           |   | 13      | 0.2     | 159.5  |            | 0            | N            | 25/0,58 |         | 2                |           |  |
| 87  | 800664 | ANG              | 2/2/2016   | 5.8          | 2    | 1  | 16   | 95  | 1    | 7          | 2               | 1                            | 23,500 | 2        | 8.2  | 2       | 312,000 | 1        | 26.4  | 24.72          | 16       | pneumonia bilateral                             | tidak ada pertumbuhan aerob                         | 6       | 0.1     | 522.5  |            | 0            | N            | 28/0,38 |         | 2                |           |  |
| 88  | 938434 | MFY              | 1/5/2020   | 1.6          | 1    | 1  | 10   | 59  | 1    | 2          | 1               | 1                            | 24,800 | 2        | 9.6  | 2       | 642,000 | 2        | 289.9 | 35.92          | 8        | tidak tampak kelainan                           | tidak ada pertumbuhan aerob                         | 15      | 0.3     | 108.16 |            | 0            | N            |         |         | 2                |           |  |
| 89  | 941704 | AM               | 6/8/2021   | 0.5          | 1    | 2  | 4.2  | 54  | 1    | 1          | 2               | 2                            | 14,800 | 2        | 13.5 | 1       | 625,000 | 2        |       | 0.96           |          | bronchopneumonia                                |   | 14      | 0.25    | 97.2   |            | 0.719793     | N            |         |         |                  |           |  |
| 90  | 941923 | NHR              | 2/23/2021  | 0.8          | 1    | 2  | 5.6  | 65  | 2    | 10         | 1               | 1                            | 23,000 | 2        | 9.7  | 1       | 301,000 | 2        | 8.7   | 1.54           | 11       | tidak tampak kelainan                           | URINE :<br>KLABSIELLA<br>PNEUMONOA<br>SSP PNEUMONIA | 7       | 0.11    | 365.62 |            | 0.68013      | N            | 12/0,20 |         | 2                |           |  |
| 91  | 943163 | AR               | 12/3/2020  | 0.11         | 1    | 2  | 6.6  | 66  | 2    | 6          | 2               | 2                            | 6,990  | 1        | 10   | 1       | 851,000 | 2        | 11    | 1.5            | 13       | pneumonia bilateral                             | tidak ada pertumbuhan aerob                         | 6       | 0.16    | 185.62 |            | 0.557501     | N            | 11/0,2  |         | 2                |           |  |
| 92  | 940010 | MNA              | 9/4/2012   | 9.2          | 2    | 1  | 28   | 124 | 1    | 10         | 2               | 2                            | 16,000 | 2        | 15   | 1       | 650,000 | 2        | 39    | 19.71          | 22       | pneumonia bilateral                             | tidak ada pertumbuhan aerob                         | 17      | 0.37    | 184.32 |            | 2.166229     | 110/3,70     | 3       | 1       | 2.471863         |           |  |
| 93  | 946007 | RY               | 8/1/2018   | 3.1          | 1    | 1  | 13   | 94  | 1    | 10         | 1               | 2                            | 13,300 | 2        | 11.3 | 1       | 330,000 | 1        | 15.5  | 4.76           | 13       | pneumonia sinistra                              | bakteri kontaminan<br>staphylococcus<br>cohnii      | 22      | 0.3     | 172.3  |            | 0            | N            | 20/0,35 |         | 2                |           |  |
| 94  | 944886 | MAN              | 3/9/2021   | 0.6          | 1    | 1  | 2.9  | 54  | 2    | 1          | 2               | 2                            | 13,800 | 2        | 10.6 | 1       | 780,000 | 2        | 6.7   | 0.23           | 13       | pneumonia bilateral                             | darah :<br>acinetobacter<br>baumanii                | 7       | 0.13    | 93.46  |            | 1.38388      | N            | 20/0,86 | 2       | 1                | 2.15417   |  |
| 95  | 946504 | MAP              | 2/12/2017  | 4.7          | 1    | 1  | 12   | 103 | 2    | 1          | 2               | 2                            | 17,100 | 2        | 6.4  | 2       | 374,000 | 1        | 206.2 | 1.01           | 9        | pneumonia bilateral                             | darah:<br>staphilococcus<br>auricularis             | 12      | 0.29    | 195.34 |            | 0            | N            | 13/0,46 |         | 2                |           |  |
| 96  | 950478 | By.N<br>y.S      | 9/17/2021  | 0.2          | 1    | 1  | 3    | 52  | 1    | 13         | 2               | 2                            | 9,600  | 1        | 9.8  | 1       | 452,000 | 2        | 4.8   | 0.16           | 11       | tidak tampak kelainan                           | tidak ada pertumbuhan aerob                         | 4       | 0.31    | 75.48  |            | 1.250699     | Oligouria    | 0       | 1       | 1                | 2.039334  |  |
| 97  | 918328 | TR               | 5/19/2019  | 2.5          | 1    | 1  | 8.9  | 73  | 2    | 1          | 2               | 2                            | 12,500 | 2        | 10.8 | 1       | 466,000 | 2        | 66.6  | 0.4            | 12       | pneumonia bilateral                             | tidak ada pertumbuhan aerob                         | 6       | 0.22    | 182.5  |            | 0            | N            | 8/0,30  |         | 2                |           |  |
| 98  | 950403 | AC               | 6/8/2007   | 14.5         | 3    | 1  | 31   | 151 | 1    | 7          | 2               | 2                            | 18,500 | 2        | 12.9 | 1       | 285,000 | 1        | 18.2  | 0.64           | 13       | 0   | tidak ada pertumbuhan aerob                         |         | 14      | 0.26   | 406.53     |              | 0.996708     | N       | 47/0,36 |                  | 2         |  |
| 99  | 952582 | ETW              | 6/27/2006  | 15.5         | 3    | 2  | 38   | 160 | 2    | 1          | 2               | 2                            | 26,400 | 2        | 9.8  | 2       | 524,000 | 2        | 86.9  | 6.03           | 10       | pneumonia bilateral                             | tidak ada pertumbuhan aerob                         | 14      | 0.58    | 157.24 |            | 2.498819     | Oligouria    | 42/0,49 | 1       | 1                | 2.771757  |  |
| 100 | 951754 | CM               | 4/11/2006  | 15           | 3    | 2  | 51   | 157 | 1    | 10         | 2               | 2                            | 6,500  | 1        | 12   | 1       | 402,000 | 2        |       |                |          | 0   | tidak ada pertumbuhan aerob                         |         | 20      | 0.4    | 223.72     |              | 1.015994     | N       | 27/0,65 |                  | 2         |  |
| 101 | 762548 | FK               | 12/1/2015  | 5.11         | 2    | 2  | 14.8 | 108 | 1    | 2          | 1               | 2                            | 11,400 | 2        | 11.5 | 1       | 372,000 | 1        |       |                |          | tidak tampak kelainan                           | tidak ada pertumbuhan aerob                         | 8       | 0.36    | 165    |            | 1.664687     | N            | 8/0,45  |         | 2                |           |  |
| 102 | 156553 | FN               | 7/16/2008  | 13           | 3    | 2  | 29   | 160 | 2    | 9          | 2               | 2                            | 7,000  | 1        | 11.8 | 1       | 478,000 | 2        | 56.9  | 0.07           | 14       | bronchopneumonia sinistra + scoliosis           | tidak ada pertumbuhan aerob                         | 5       | 0.32    | 285    |            | 1.264526     | N            | 11/0,40 |         | 2                |           |  |
| 103 | 952774 | MA               | 11/21/2016 | 4.11         | 2    | 1  | 15   | 98  | 2    | 2          | 1               | 2                            | 13,600 | 2        | 13   | 1       | 823,000 | 2        | 15.7  | 0.17           | 10       | cor dan pulmo normal                            | tidak ada pertumbuhan aerob                         | 21      | 0.23    | 234.34 |            | 0.443606     | N            | 22/0,35 |         | 2                |           |  |
| 104 | 949293 | by.<br>Ny.<br>NA | 9/20/2021  | 0.2          | 1    | 1  | 4.3  | 53  | 1    | 1          | 2               | 2                            | 21,200 | 2        | 14.1 | 1       | 231,000 | 1        | 0.1   | 3.42           | 13       | pneumonia bilateral                             | tidak ada pertumbuhan aerob                         | 34      | 0.28    | 85.17  |            | 1.953181     | Oligouria    | 16/0,35 |         | 1                | 2.070646  |  |
| 105 | 947050 | MI               | 11/15/2020 | 1            | 1    | 1  | 6.5  | 60  | 2    | 9          | 2               | 2                            | 2,900  | 1        | 8.3  | 2       | 145,000 | 2        | 6.3   | 1.07           | 14       | pneumonia bilateral kanan + efusi pleura dextra | tidak ada pertumbuhan aerob                         | 12      | 0.23    | 143.47 |            | 1.466482     | Oligouria    | 47/0,38 | 1       | 1                | 2.251114  |  |

| No  | RM     | Nama | Tgl lahir  | Usia (Tahun) | Usia | JK | BB | TB  | Gizi | Diagn osis | Kode Diagn osis | Ventilator/ Tidak ventilator | WBC    | Kode Wbc | Hb   | Kode Hb | Plt     | Kode Plt | CRP   | Prokalsi tonin | IT Ratio | Foto thorax  | Kultur                      | Ur awal | Cr awal | LFG    | Penuru nan | KIM-1 (AWAL) | Urine output | Ur/Cr   | KDIGO | GnGA/ Tidak GnGA | KIM-1 (2) |
|-----|--------|------|------------|--------------|------|----|----|-----|------|------------|-----------------|------------------------------|--------|----------|------|---------|---------|----------|-------|----------------|----------|--|-----------------------------|---------|---------|--------|------------|--------------|--------------|---------|-------|------------------|-----------|
| 106 | 929348 | MU   | 1/21/2021  | 0.3          | 1    | 1  | 3  | 54  | 2    | 2          | 1               | 2                            | 2,400  | 1        | 8.9  | 2       | 361,000 | 1        | 54    | 6.12           | 11       | tidak tampak kelainan                                | tidak ada pertumbuhan aerob | 16      | 0.59    | 14.9   | 80.00%     | 1.799512     |              | 93/1,63 | 3     | 1                | 2.083169  |
| 107 | 875552 | MN   | 2/25/2019  | 2.7          | 1    | 1  | 17 | 89  | 1    | 2          | 1               | 2                            | 18,800 | 2        | 13.5 | 1       | 324,000 | 1        | 107.2 | 27.11          | 18       | kolaps paru kanan                                    | tidak ada pertumbuhan aerob | 30      | 0.38    | 128.81 |            | 1.803074     | Oligouria    | 20/0,4  | 1     | 1                | 2.3101    |
| 108 | 928614 | I    | 6/9/2009   | 12.4         | 3    | 1  | 32 | 140 | 1    | 2          | 1               | 2                            | 9,300  | 1        | 12.6 | 1       | 493,000 | 2        | 27.2  | 1.23           | 12       | tidak tampak kelainan                                | tidak ada pertumbuhan aerob | 12      | 0.5     | 154    |            | 0.970873     | N            | 14/0,81 |       | 2                |           |
| 109 | 691743 | BDP  | 8/22/2005  | 16.2         | 3    | 1  | 41 | 165 | 1    | 13         | 2               | 2                            | 5,000  | 1        | 11   | 1       | 415,000 | 2        | 75.3  | 0.58           | 8        | tidak tampak kelainan                                | tidak ada pertumbuhan aerob | 13      | 0.35    | 330    |            | 2.545396     |              | 28/1,39 | 3     | 1                | 2.828726  |
| 110 | 898603 | MMR  | 8/1/2019   | 2.2          | 1    | 1  | 10 | 84  | 2    | 13         | 2               | 2                            | 11,600 | 2        | 11.9 | 1       | 300,000 | 1        | 9.5   | 0.13           | 10       | PNEUMONIA BILATERAL                                  | tidak ada pertumbuhan aerob | 28      | 0.23    | 200.86 |            | 1.723383     | Oligouria    | 9/0,5   | 2     | 1                | 2.297602  |
| 111 | 953571 | H    | 10/19/2007 | 14           | 3    | 1  | 22 | 155 | 2    | 3          | 1               | 2                            | 10,300 | 2        | 9.8  | 2       | 601,000 | 2        | 46.4  | 0.05           | 12       | PNEUMONIA DEXTRA ,SCHOLIOSIS THORACALIS DEXTROCONVEX | tidak ada pertumbuhan aerob | 8       | 0.21    | 516.66 |            | 1.251427     | N            |         |       | 2                |           |
| 112 | 952774 | MA   | 4/6/2011   | 10.6         | 3    | 1  | 26 | 144 | 2    | 3          | 2               | 2                            | 7,900  | 1        | 10.8 | 1       | 431,000 | 2        | 15.7  | 0.17           | 10       | cor dan pulmo normal                                 | tidak ada pertumbuhan aerob | 23      | 0.49    | 161.63 |            | 1.809514     | N            | 21/0,23 |       | 2                |           |
| 113 | 851452 | DGA  | 6/23/2008  | 13.4         | 3    | 2  | 37 | 143 | 1    | 10         | 2               | 2                            | 7,400  | 1        | 8.8  | 2       | 6,000   | 2        | 0     | 0              | 0        | 0  | 0                           | 0       | 0       |        | 2.342349   | Oligouria    | 123/1,88     | 3       | 1     | 2.676422         |           |