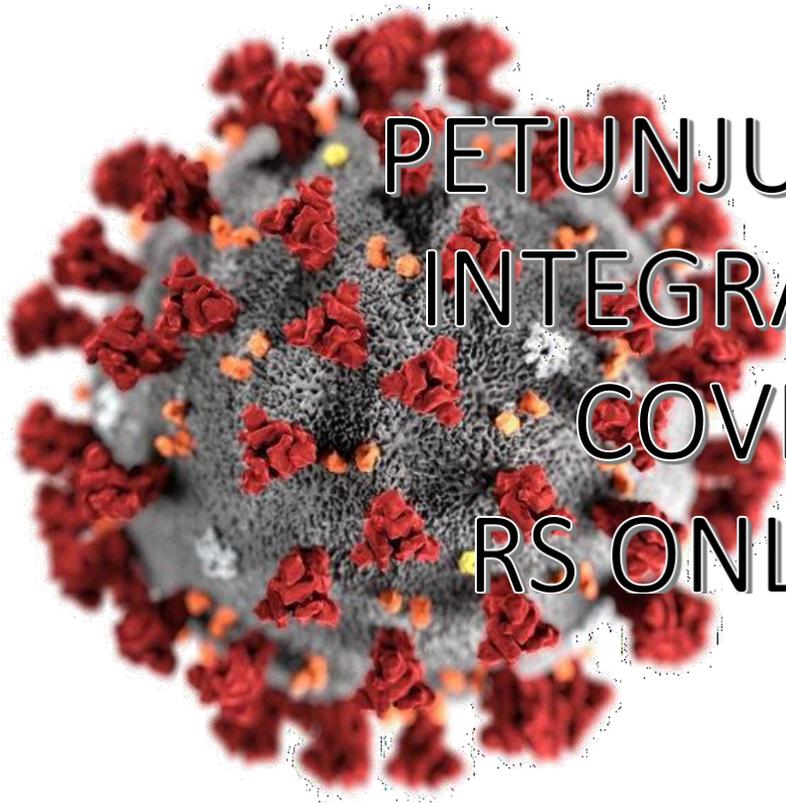




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# PETUNJUK TEKNIS INTEGRASI DATA COVID-19 RS ONLINE V.2

DIREKTORAT JENDRAL PELAYANAN  
KESEHATAN

KEMENTERIAN KESEHATAN

2021

## I. MODEL PELAPORAN

Secara garis besar, terdapat dua prosedur/alur proses dalam mengirimkan data pasien COVID-19, kebutuhan ruangan dan logistik dari Rumah Sakit ke Kemenkes, yaitu :

1. Manual: data dikirimkan ke Kemkes dengan cara manual yaitu RS melakukan pengisian data ke dalam aplikasi Sistem Informasi Khusus COVID-19
2. Terintegrasi dengan SIMRS: data COVID-19 dikirimkan ke Kemkes dengan cara integrasi langsung antara SIMRS dengan RS *Online*. Dimana integrasi data sesuai dengan alur dan format data yang telah ditentukan melalui *web service*.

## II. KETENTUAN INTEGRASI

1. Pengiriman data pasien adalah pasien yang dinyatakan terdiagnosa sebagai pasien COVID-19.
2. Format pengiriman data dari SIMRS sesuai dengan *list variabel integrasi* data COVID -19 yang sudah ditentukan, baik itu data Pasien COVID -19, Diagnosa Pasien, Data ruangan, SDM dan Kebutuhan Logistik.
3. Data dikirimkan secara *real time*, dengan metode POST.
4. Data dikirimkan dengan format JSON
5. Menambahkan informasi Variabel yang dibutuhkan ataupun untuk proses validasi yang dikirim pada HTTP *Header*, antara lain: *Request Header*
6. Pengiriman data pasien adalah pasien yang dinyatakan terdiagnosa sebagai pasien COVID -19.
7. Header yang harus disertakan untuk mengakses *web service*:

Headers 👁 9 hidden

	KEY	VALUE	⋮	Bulk Edit	Presets ▾
<input checked="" type="checkbox"/>	X-rs-id	[ Kode RS di RS Online ]			
<input checked="" type="checkbox"/>	X-Timestamp	[ Timestamp dalam format UTC timestamp ]			
<input checked="" type="checkbox"/>	X-pass	[ Password RS Online ]			

### III. PELAPORAN COVID-19

#### A. *Entry* Data Pasien

Rekap pasien berisi total pasien yang masuk dihari itu, dapat berasal dari IGD,RAJAL dan RANAP

##### 1. Rekap Pasien Masuk

Merupakan formulir untuk melaporkan jumlah pasien Covid-19 yang masuk di Rumah Sakit per hari berdasarkan posisi terakhir pasien tersebut. Pasien masuk Rumah Sakit hanya terbagi menjadi pasien Suspect (Suspek) dan Confirm (Konfirmasi), yang dirinci kembali berdasarkan jenis kelamin Laki-laki (L) dan Perempuan (P).

##### Ambil data

GET: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienMasuk>

##### Simpan / Update Data

POST: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienMasuk>

BODY

```
{
    "tanggal": "2020-09-08",
    "igd_suspect_l": "0",
    "igd_suspect_p": "0",
    "igd_confirm_l": "0",
    "igd_confirm_p": "0",
    "rj_suspect_l": "0",
    "rj_suspect_p": "0",
    "rj_confirm_l": "0",
    "rj_confirm_p": "0",
    "ri_suspect_l": "1",
    "ri_suspect_p": "1",
    "ri_confirm_l": "0",
    "ri_confirm_p": "0"
}
```

Jika data pada tanggal tersebut belum ada, maka akan ditambah Jika data pada tanggal tersebut sudah ada, maka akan diupdate

```
{
  "RekapPasienMasuk": [
    {
      "status": "200",
      "message": "Data rekap pasien masuk tanggal 2020-09-13 telah disimpan"
    }
  ]
}
```

### Hapus data

DELETE: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienMasuk>

BODY

```
{  
  "tanggal": "2020-09-08"  
}
```

## 2. Rekap Pasien Dirawat dengan Komorbid

Merupakan formulir untuk melaporkan jumlah pasien Covid-19 yang masih dirawat inap di Rumah Sakit per hari baik di ruang ICU, ruang Isolasi, maupun ruang perawatan lainnya. Pasien dirawat dirinci menjadi pasien Suspect (Suspek) dan Confirm (Konfirmasi), yang dirinci kembali berdasarkan jenis kelamin Laki-laki (L) dan Perempuan (P). Formulir rekapitulasi data pasien dirawat terbagi menjadi 2 formulir yaitu pasien dirawat dengan komorbid dan pasien dirawat tanpa komorbid.

Ambil data

GET: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienDirawatKomorbid>

Simpan / *Update* Data

POST: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienDirawatKomorbid>

BODY :

```
{  
  "tanggal": "2020-10-01",  
  "icu_dengan_ventilator_suspect_l": "0",  
  "icu_dengan_ventilator_suspect_p": "0",  
  "icu_dengan_ventilator_confirm_l": "2",  
  "icu_dengan_ventilator_confirm_p": "0",  
  "icu_tanpa_ventilator_suspect_l": "2",  
  "icu_tanpa_ventilator_suspect_p": "5",  
  "icu_tanpa_ventilator_confirm_l": "2",  
  "icu_tanpa_ventilator_confirm_p": "0",  
  "icu_tekanan_negatif_dengan_ventilator_suspect_l": "0",  
  "icu_tekanan_negatif_dengan_ventilator_suspect_p": "0",  
  "icu_tekanan_negatif_dengan_ventilator_confirm_l": "0",  
  "icu_tekanan_negatif_dengan_ventilator_confirm_p": "0",  
  "icu_tekanan_negatif_tanpa_ventilator_suspect_l": "0",  
  "icu_tekanan_negatif_tanpa_ventilator_suspect_p": "0",  
  "icu_tekanan_negatif_tanpa_ventilator_confirm_l": "0",  
  "icu_tekanan_negatif_tanpa_ventilator_confirm_p": "0",  
}
```

```
"isolasi_tekanan_negatif_suspect_1": "2",  
"isolasi_tekanan_negatif_suspect_p": "2",  
"isolasi_tekanan_negatif_confirm_1": "7",  
"isolasi_tanpa_tekanan_negatif_suspect_1": "5",  
"isolasi_tanpa_tekanan_negatif_suspect_p": "24",  
"isolasi_tanpa_tekanan_negatif_confirm_1": "5",  
"isolasi_tanpa_tekanan_negatif_confirm_p": "15",  
"nicu_khusus_covid_suspect_1": "0",  
"nicu_khusus_covid_suspect_p": "0",  
"nicu_khusus_covid_confirm_1": "0",  
"nicu_khusus_covid_confirm_p": "0",  
"picu_khusus_covid_suspect_1": "1",  
"picu_khusus_covid_suspect_p": "0",  
"picu_khusus_covid_confirm_1": "0",  
"picu_khusus_covid_confirm_p": "0"  
}
```

```
2  {  
3    "RekapPasienDirawatTanpaKomorbid": [  
4      {  
5        "status": "200",  
6        "message": "Data rekap pasien dirawat tanpa  
7                    komorbid tanggal 2020-09-13 telah disimpan"  
8      }  
9    ]  
}
```

### 3. Rekap Pasien Dirawat tanpa Komorbid

Ambil data

GET:<http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienDirawatTanpaKomorbid>

Simpan / Update Data

POST:<http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienDirawatTanpaKomorbid>

BODY :

```
{  
  
  "tanggal": "2020-10-01",  
  "icudenganventilator_suspect_l": "0",  
  "icudenganventilator_suspect_p": "0",  
  "icudenganventilator_confirm_l": "2",  
  "icudenganventilator_confirm_p": "0",  
  "icutanpaventilator_suspect_l": "2",  
  "icutanpaventilator_suspect_p": "5",  
  "icutanpaventilator_confirm_l": "2",  
  "icutanpaventilator_confirm_p": "0",  
  "icutekanannegatifdenganventilator_suspect_l": "0",  
  "icutekanannegatifdenganventilator_suspect_p": "0",  
  "icutekanannegatifdenganventilator_confirm_l": "0",  
  "icutekanannegatifdenganventilator_confirm_p": "0",  
  "icutekanannegatiftanpaventilator_suspect_l": "0",  
  "icutekanannegatiftanpaventilator_suspect_p": "0",  
  "icutekanannegatiftanpaventilator_confirm_l": "0",  
  "icutekanannegatiftanpaventilator_confirm_p": "0",  
  "isolasi_tekanan_negatif_suspect_l": "2",  
  "isolasi_tekanan_negatif_suspect_p": "2",  
  "isolasi_tekanan_negatif_confirm_l": "7",  
  "isolasi_tanpa_tekanan_negatif_suspect_l": "5",  
  "isolasi_tanpa_tekanan_negatif_suspect_p": "24",  
  "isolasi_tanpa_tekanan_negatif_confirm_l": "5",  
  "isolasi_tanpa_tekanan_negatif_confirm_p": "15",  
  "nicukhusus_covid_suspect_l": "0",  
  "nicukhusus_covid_suspect_p": "0",  
  "nicukhusus_covid_confirm_l": "0",  
  "nicukhusus_covid_confirm_p": "0",  
  "picukhusus_covid_suspect_l": "1",  
  "picukhusus_covid_suspect_p": "0",  
  "picukhusus_covid_confirm_l": "0",  
  "picukhusus_covid_confirm_p": "0"  
}
```

```
2 {
3   "RekapPasienDirawatTanpaKorbid": [
4     {
5       "status": "200",
6       "message": "Data rekap pasien dirawat tanpa
7                 komorbid tanggal 2020-09-13 telah disimpan"
8     }
9   ]
}
```

#### 4. Rekap Pasien Keluar

Merupakan formulir untuk melaporkan jumlah pasien Covid-19 yang keluar dari Rumah Sakit per hari berdasarkan status keluarnya

Referensi kelompok usia probable :

URL:

[http://sirs.kemkes.go.id/fo/index.php/Referensi/usia\\_meninggal\\_probable](http://sirs.kemkes.go.id/fo/index.php/Referensi/usia_meninggal_probable)

```
1 {
2   "kelompok_usia_probable": [
3     {
4       "id": "1",
5       "kelompok_usia": "0 - 6 hari",
6       "deskripsi": "Prenatal"
7     },
8     {
9       "id": "2",
10      "kelompok_usia": "7 - 28 hari",
11      "deskripsi": "Neonatal"
12     },
13     {
14      "id": "3",
15      "kelompok_usia": "29 hari - < 1 tahun",
16      "deskripsi": "Bayi"
17     },
18   ]
19 }
```

Ambil data

GET: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienKeluar>

### Simpan / Update Data

POST: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienKeluar>

BODY

```
{  
    "tanggal": "2020-09-08",  
    "sembuh": "2",  
    "discarded": "2",  
    "meninggal_komorbid": "0",  
    "meninggal_tanpa_komorbid": "0",  
    "meninggal_prob_pre_komorbid": "0",  
    "meninggal_prob_neo_komorbid": "0",  
    "meninggal_prob_bayi_komorbid": "0",  
    "meninggal_prob_balita_komorbid": "0",  
    "meninggal_prob_anak_komorbid": "0",  
    "meninggal_prob_remaja_komorbid": "0",  
    "meninggal_prob_dws_komorbid": "0",  
    "meninggal_prob_lansia_komorbid": "0",  
    "meninggal_prob_pre_tanpa_komorbid": "0",  
    "meninggal_prob_neo_tanpa_komorbid": "0",  
    "meninggal_prob_bayi_tanpa_komorbid": "0",  
    "meninggal_prob_balita_tanpa_komorbid": "0",  
    "meninggal_prob_anak_tanpa_komorbid": "0",  
    "meninggal_prob_remaja_tanpa_komorbid": "0",  
    "meninggal_prob_dws_tanpa_komorbid": "0",  
    "meninggal_prob_lansia_tanpa_komorbid": "0",  
    "meninggal _discarded_komorbid": "2",  
    "meninggal _discarded_tanpa_komorbid": "0",  
    "dirujuk": "0",  
    "isman": "0",  
    "aps": "0"  
}
```

Jika data pada tanggal tersebut belum ada, maka akan ditambah Jika data pada tanggal tersebut sudah ada, maka akan diupdate

```
{
  "RekapPasienKeluar": [
    {
      "status": "200",
      "message": "Data rekap pasien keluar tanggal
        2020-09-13 telah disimpan"
    }
  ]
}
```

### Hapus data

DELETE: <http://sirs.kemkes.go.id/fo/index.php/LapV2/PasienKeluar>

BODY

```
{
  "tanggal": "2020-09-08"
}
```

## B. Entry Data Ruangan dan Tempat Tidur

Master referensi data Tempat Tidur

URL : [http://sirs.kemkes.go.id/fo/index.php/Referensi/tempat\\_tidur](http://sirs.kemkes.go.id/fo/index.php/Referensi/tempat_tidur)

GET data tempat tidur yang sudah pernah diinputkan

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes>

Kirim data tempat tidur

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes>

Method : POST

Raw Data :

```
{
  "id_tt": "3",
  "ruang": "Irina A Atas (Bedah)",
  "jumlah_ruang": "3",
  "jumlah": "7",
  "terpakai": "3",
  "antrian": "2",
  "prepare": "0",
  "prepare_plan": "0",
  "covid": 1
}
```

Memperbaharui data tempat tidur

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes>

Method : PUT

Raw Data :

---

```
{
  "id_tt": "3",
  "ruang": "Irina A Atas (Bedah)",
  "jumlah_ruang": "3",
  "jumlah": "7",
  "terpakai": "3",
  "antrian": "2",
  "prepare": "0",
  "prepare_plan": "0",
  "covid": 1
}
```

Atau

```
{
  "id_t_tt": "71590",
  "jumlah_ruang": "3",
  "jumlah": "6",
  "terpakai": "0",
  "antrian": "2",
  "prepare": "0",
  "prepare_plan": "0",
  "covid": 1
}
```

Menghapus data tempat tidur

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes>

Method : DELETE

Body :

```
{
  "id_t_tt": "2"
}
```

### C. Entry Data SDM

*Master referensi SDM*

URL : [http://sirs.kemkes.go.id/fo/index.php/Referensi/kebutuhan\\_sdm](http://sirs.kemkes.go.id/fo/index.php/Referensi/kebutuhan_sdm)

Method : GET

Hasil :

```
{
  "kebutuhan_sdm": [
    {
      "id_kebutuhan": "26",
      "kebutuhan": "Dokter"
    },
    {
      "id_kebutuhan": "27",
      "kebutuhan": "Dokter Spesialis Paru"
    },
    {
      "id_kebutuhan": "28",
      "kebutuhan": "Dokter Spesialis Penyakit Dalam"
    },
    ... dst
  ]
}
```

Memeriksa data ketersediaan dan kebutuhan SDM yang sudah pernah dikirimkan di RS Online

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/sdm>

Method : GET

Hasil :

```
{
  "sdm": [

```

```
{
  "id_kebutuhan": "26",
  "kebutuhan": "Dokter",
  "jumlah_eksisting": null,
  "jumlah": null,
  "jumlah_diterima": null,
  "tglupdate": null
},
{
  "id_kebutuhan": "27",
  "kebutuhan": "Dokter Spesialis Paru",
  "jumlah_eksisting": null,
  "jumlah": null,
  "jumlah_diterima": null,
  "tglupdate": null
},
... dst.
```

Method : GET

Hasil :

```
{  
  "sdm": [  
    {  
      "id_kebutuhan": "26",  
      "kebutuhan": "Dokter",  
      "jumlah_eksisting": null,  
      "jumlah": null,  
      "jumlah_diterima": null,  
      "tglupdate": null  
    },  
    {  
      "id_kebutuhan": "27",  
      "kebutuhan": "Dokter Spesialis Paru",  
      "jumlah_eksisting": null,  
      "jumlah": null,  
      "jumlah_diterima": null,  
      "tglupdate": null  
    },  
    ... dst  
  ]  
}
```

Mengirim data ketersediaan dan kebutuhan SDM

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/sdm>

Method : POST

Raw data :

```
{  
  "id_kebutuhan": "26",  
  "jumlah_eksisting": "154",  
  "jumlah": "3",  
  "jumlah_diterima": "1"  
}
```

Memperbaharui data ketersediaan dan kebutuhan SDM

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/sdm>

Method : PUT

Raw data :

```
{  
  "id_kebutuhan": "26",  
  "jumlah_eksisting": "154",  
  "jumlah": "3",  
  "jumlah_diterima": "2"  
}
```

Menghapus data ketersediaan dan kebutuhan SDM

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/sdm>

Method : DELETE

Header :

Id\_kebutuhan : 26

D. *Entry Data Alkes dan APD Master referensi SDM*

URL : : [http://sirs.kemkes.go.id/fo/index.php/Referensi/kebutuhan\\_apd](http://sirs.kemkes.go.id/fo/index.php/Referensi/kebutuhan_apd)

Method : GET

Hasil :

```
{  
  "kebutuhan_apd": [  
    {  
      "id_kebutuhan": "1",  
      "kebutuhan": "Protection Gown"  
    },  
    {  
      "id_kebutuhan": "2",  
      "kebutuhan": "Google Glass"  
    },  
    {  
      "id_kebutuhan": "3",  
      "kebutuhan": "Sarung Tangan Panjang"  
    },  
    ... dst  
  ]  
}
```

Memeriksa data ketersediaan dan kebutuhan APD yang sudah pernah dikirimkan di RS Online

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/apd>

Method : GET Hasil :

```
{
  "apd": [
    {
      "id_kebutuhan": "1",
      "kebutuhan": "Protection Gown",
      "jumlah_eksisting": null,
      "jumlah": null,
      "jumlah_diterima": null,

      "tglupdate": null
    },
    ... dst
  ]
}
```

Mengirim data ketersediaan dan kebutuhan APD

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/apd>

Method : POST

Raw data :

```
{
  "id_kebutuhan": "16",
  "jumlah_eksisting": "150",
  "jumlah": "30",
  "jumlah_diterima": "1"
}
```

Memperbaharui data ketersediaan dan kebutuhan APD URL :

<http://sirs.kemkes.go.id/fo/index.php/Fasyankes/apd>

Method : PUT

Raw data :

```
{  
  "id_kebutuhan": "16",  
  "jumlah_eksisting": "150",  
  "jumlah": "30",  
  "jumlah_diterima": "10"  
}
```

Menghapus data ketersediaan dan kebutuhan APD

URL : <http://sirs.kemkes.go.id/fo/index.php/Fasyankes/apd>

Method : DELETE

Header :

Id\_kebutuhan : 16

#### E. Data Pasien IGD Triase

1. Mendapatkan data pasien IGD Triase yg pernah diinputkan RS

Method : GET

Url : [http://sirs.kemkes.go.id/fo/index.php/Pasien/igd\\_triase](http://sirs.kemkes.go.id/fo/index.php/Pasien/igd_triase)

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

x-tanggal: [yyyy-mm-dd]

Content-Type:application/json

Jika x-tanggal tidak diisi/sertakan, maka akan mengambil data pasien igd triase 10 hari terakhir

2. Melaporkan data Pasien IGD Triase

Method : POST

Url : [http://sirs.kemkes.go.id/fo/index.php/Pasien/igd\\_triase](http://sirs.kemkes.go.id/fo/index.php/Pasien/igd_triase)

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

Content-Type:application/json

Body :

```
{
  "tanggal": "2021-07-23",
  "igd_suspek": "15",
  "igd_konfirmasi": "3",
  "g_ringan_murni_covid": "0",
  "g_ringan_komorbid": "0",
  "g_ringan_koinsiden": "0",
  "g_sedang": "1",
  "g_berat": "2",
  "igd_dirujuk": "0"
}
```

Jika data di tanggal belum ada, maka akan insert data baru untuk tanggal tersebut.

Jika data di tanggal sudah ada, maka akan update data untuk tanggal tersebut.

F. Data Pemeriksaan PCR Nakes

1. Mendapatkan data Pemeriksaan PCR Nakes yang pernah diinputkan oleh RS

Method : GET

Url : [http://sirs.kemkes.go.id/fo/index.php/Pasien/pcr\\_nakes](http://sirs.kemkes.go.id/fo/index.php/Pasien/pcr_nakes)

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

x-tanggal: [yyyy-mm-dd]

Content-Type:application/json

Jika x-tanggal tidak diisi/sertakan, maka akan mengambil data pemeriksaan pcr nakes 10 hari terakhir.

2. Melaporkan data Pemeriksaan PCR Nakes

Method : POST

Url : [http://sirs.kemkes.go.id/fo/index.php/Pasien/pcr\\_nakes](http://sirs.kemkes.go.id/fo/index.php/Pasien/pcr_nakes)

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

Content-Type:application/json

Body:

```
{  
  "tanggal": "2021-07-21",  
  "jumlah_tenaga_dokter_umum": "51",  
  "sudah_periksa_dokter_umum": "1",  
  "hasil_pcr_dokter_umum": "0",  
  "jumlah_tenaga_dokter_spesialis": "338",  
  "sudah_periksa_dokter_spesialis": "0",  
  "hasil_pcr_dokter_spesialis": "0",  
  "jumlah_tenaga_dokter_gigi": "0",  
  "sudah_periksa_dokter_gigi": "0",  
  "hasil_pcr_dokter_gigi": "0",  
  "jumlah_tenaga_residen": "1042",  
  "sudah_periksa_residen": "3",  
  "hasil_pcr_residen": "3",  
  "jumlah_tenaga_perawat": "1309",  
  "sudah_periksa_perawat": "4",  
  "hasil_pcr_perawat": "8",  
  "jumlah_tenaga_bidan": "50",  
  "sudah_periksa_bidan": "0",  
  "hasil_pcr_bidan": "0",  
  "jumlah_tenaga_apoteker": "0",  
  "sudah_periksa_apoteker": "0",  
  "hasil_pcr_apoteker": "1",  
  "jumlah_tenaga_radiografer": "0",  
  "sudah_periksa_radiografer": "0",
```

```
"hasil_pcr_radiografer": "0",  
"jumlah_tenaga_analis_lab": "0",  
"sudah_periksa_analis_lab": "0",  
"hasil_pcr_analis_lab": "0",  
"jumlah_tenaga_co_ass": "0",  
"sudah_periksa_co_ass": "0",  
"hasil_pcr_co_ass": "0",  
"jumlah_tenaga_internship": "0",  
"sudah_periksa_internship": "0",  
"hasil_pcr_internship": "0",  
"jumlah_tenaga_nakes_lainnya": "579",  
"sudah_periksa_nakes_lainnya": "1",  
"hasil_pcr_nakes_lainnya": "3",  
"rekap_jumlah_tenaga": "3369",  
"rekap_jumlah_sudah_diperiksa": "9",  
"rekap_jumlah_hasil_pcr": "15",  
"tgllapor": "2021-07-22 11:47:16"  
}
```

Jika data di tanggal belum ada, maka akan insert data baru untuk tanggal tersebut.

Jika data di tanggal sudah ada, maka akan update data untuk tanggal tersebut.

G. Data Rekap Harian Nakes Terinfeksi

1. Mendapatkan data harian nakes terinfeksi yang pernah dilaporkan RS

Method : GET

Url : [http://sirs.kemkes.go.id/fo/index.php/Pasien/harian\\_nakes\\_terinfeksi](http://sirs.kemkes.go.id/fo/index.php/Pasien/harian_nakes_terinfeksi)

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

x-tanggal: [yyyy-mm-dd]

Content-Type:application/json

Jika x-tanggal tidak diisi/sertakan, maka akan mengambil data rekap harian nakes terinfeksi 10 hari terakhir

2. Melakukan pengiriman data laporan

Methode : POST

Url : [http://sirs.kemkes.go.id/fo/index.php/Pasien/harian\\_nakes\\_terinfeksi](http://sirs.kemkes.go.id/fo/index.php/Pasien/harian_nakes_terinfeksi)

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

x-tanggal: [yyyy-mm-dd]

Content-Type:application/json

BODY:

```
{  
  "tanggal": "2021-07-21",  
  "co_ass": "0",  
  "residen": "3",  
  "internship": "0",  
  "dokter_spesialis": "0",  
  "dokter_umum": "0",  
  "dokter_gigi": "0",  
  "perawat": "8",  
  "bidan": "0",  
  "apoteker": "1",  
  "radiografer": "0",  
  "analisis_lab": "0",  
  "nakes_lainnya": "3",  
  "co_ass_meninggal": "0",  
  "residen_meninggal": "0",  
  "internship_meninggal": "0",  
  "dokter_spesialis_meninggal": "0",  
  "dokter_umum_meninggal": "0",  
  "dokter_gigi_meninggal": "0",  
  "perawat_meninggal": "0",  
  "bidan_meninggal": "0",  
  "apoteker_meninggal": "0",  
  "radiografer_meninggal": "0",  
  "analisis_lab_meninggal": "0",  
  "nakes_lainnya_meninggal": "0",
```

"co\_ass\_dirawat": "0",  
"co\_ass\_isoman": "0",  
"co\_ass\_sembuh": "0",  
"residen\_dirawat": "1",  
"residen\_isoman": "64",  
"residen\_sembuh": "10",  
"internship\_dirawat": "0",  
"internship\_isoman": "0",  
"internship\_sembuh": "0",  
"dokter\_spesialis\_dirawat": "5",  
"dokter\_spesialis\_isoman": "16",  
"dokter\_spesialis\_sembuh": "3",  
"dokter\_umum\_dirawat": "0",  
"dokter\_umum\_isoman": "4",  
"dokter\_umum\_sembuh": "0",  
"dokter\_gigi\_dirawat": "0",  
"dokter\_gigi\_isoman": "0",  
"dokter\_gigi\_sembuh": "0",  
"bidan\_dirawat": "0",  
"bidan\_isoman": "2",  
"bidan\_sembuh": "0",  
"apoteker\_dirawat": "0",  
"apoteker\_isoman": "15",  
"apoteker\_sembuh": "3",  
"radiografer\_dirawat": "0",  
"radiografer\_isoman": "3",  
"radiografer\_sembuh": "0",  
"analisis\_lab\_dirawat": "0",

```
"analisis_lab_isoman": "7",  
"analisis_lab_sembuh": "1",  
"nakes_lainnya_dirawat": "2",  
"nakes_lainnya_isoman": "23",  
"nakes_lainnya_sembuh": "1",  
"perawat_dirawat": "4",  
"perawat_isoman": "92",  
"perawat_sembuh": "16"  
}
```

Jika data di tanggal belum ada, maka akan insert data baru untuk tanggal tersebut.

Jika data di tanggal sudah ada, maka akan update data untuk tanggal tersebut.

#### H. Data Oksigenasi

##### 1. Mendapatkan data oksigenasi yang sudah diinputkan oleh RS

Method : GET

Url : <http://sirs.kemkes.go.id/fo/index.php/Logistik/oksigen>

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

x-tanggal: [yyyy-mm-dd]

Content-Type:application/json

Jika x-tanggal tidak diisi/sertakan, maka akan mengambil data oksigenasi 10 hari terakhir

## 2. Melaporkan data Oksigenasi RS

Method : POST

Url : <http://sirs.kemkes.go.id/fo/index.php/Logistik/oksigen>

Header:

x-rs-id: [Koders]

x-timestamp: [UTC Timestamp]

x-pass: [password]

Content-Type:application/json

Pada pelaporan ini data yang dimasukkan adalah dalam m3 (meter kubik).

Rumus Konversi :

Nama Satuan	Nilai Koversi (M3)
1 M3	1
1 Liter	0.897
1 Kg	0.78
1 Ton	788.86
1 Galon	3.04

**Body:**

```
{  
  "tanggal" : "2021-07-01",  
  "p_cair" : "120",  
  "p_tabung_kecil" : "890",  
  "p_tabung_sedang" : "80",  
  "p_tabung_besar" : "90",  
  "k_isi_cair" : "445",  
  "k_isi_tabung_kecil" : "1234",  
  "k_isi_tabung_sedang" : "8999.09",  
  "k_isi_tabung_besar" : "6666.03"  
}
```

Jika data di tanggal belum ada, maka akan insert data baru untuk tanggal tersebut.

Jika data di tanggal sudah ada, maka akan update data untuk tanggal tersebut.

## LAMPIRAN

### Contoh Coding Pemrograman Laporan Data Tempat Tidur

#### PHP

Dibuat oleh RS Sardjito

```
<?php
$id = "12345"; //kode rs dari kemenkes
$pass = "tulisPasswordDiSini";
//Get Timestamp
$dt = new DateTime(null, new DateTimeZone("UTC"));
$timestamp = $dt->getTimestamp();

// update data tempat tidur
$url = "http://sirs.kemkes.go.id/fo/index.php/Fasyankes";
$method = "PUT";
$postdata = '
{
    "id_tt": "2",
    "ruang": "Amarta",
    "jumlah_ruang": "1",
    "jumlah": "1",
    "terpakai": "0",
    "prepare": "0",
    "prepare_plan": "0",
    "covid": "0"
}';

$curl = curl_init();
curl_setopt($curl, CURLOPT_URL, $url);
curl_setopt($curl, CURLOPT_HEADER, false);
curl_setopt($curl, CURLOPT_CUSTOMREQUEST, $method);
curl_setopt($curl, CURLOPT_POSTFIELDS, $postdata);

curl_setopt($curl, CURLOPT_FOLLOWLOCATION, true);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
curl_setopt($curl, CURLOPT_SSL_VERIFYHOST, false);
curl_setopt($curl, CURLOPT_SSL_VERIFYPEER, false);
curl_setopt($curl, CURLOPT_HTTPHEADER, array(
    "X-rs-id: ".$id,
    "X-Timestamp: ".$timestamp,
    "X-pass: ".$pass,
    "Content-type: application/json"
));

$result = curl_exec($curl);
curl_close($curl);
echo $result;
?>
```

## JAVA

Dibuat oleh RSUP SARDJITO

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package rsonline;

import java.io.IOException;
import java.sql.Timestamp;
import java.util.logging.Level;
import java.util.logging.Logger;
import org.apache.http.HttpResponse;
import org.apache.http.client.HttpClient;
import org.apache.http.client.methods.HttpPut;
import org.apache.http.entity.StringEntity;
import org.apache.http.impl.client.HttpClientBuilder;
import org.apache.http.protocol.HTTP;
import org.apache.http.util.EntityUtils;

/**
 *
 * @author dody
 */
public class RSONline {

    //Web Service header
    private final String strURL =
"http://sirs.kemkes.go.id/fo/index.php/Fasyankes";
    private static final String xrsid = "12345"; //kode rs dari
kemenkes
    private static final String xpass = "tulispaswordDiSini";
    Timestamp timestamp = new Timestamp(System.currentTimeMillis());

    private String putData() {
        String jsonResponse = null;
        try {
            HttpResponse response;
            HttpPut updateData;
            HttpClient httpClient;
            String tempParams = "";
            StringEntity params;

            String strTimeStamp =
Long.toString(timestamp.getTime()).substring(0, 10);
            tempParams = "{\n"
                + "    \"id_tt\": \"2\", \n"
```

```
+ "    \"ruang\": \"Amarta\", \n\"
+ "    \"jumlah_ruang\": \"1\", \n\"
+ "    \"jumlah\": \"1\", \n\"
+ "    \"terpakai\": \"0\", \n\"
+ "    \"prepare\": \"0\", \n\"
+ "    \"prepare_plan\": \"0\", \n\"
+ "    \"covid\": \"0\" \n\"
+ "  }";
params = new StringEntity(tempParams, "UTF-8");

updateData = new HttpPut(strURL);
updateData.setHeader("X-rs-id", xrsid);
updateData.setHeader("X-Timestamp", strTimeStamp);
updateData.setHeader("X-pass", xpass);
updateData.setHeader("Accept", "application/json");
updateData.setHeader(HTTP.CONTENT_TYPE,
"application/json");

updateData.setEntity(params);
httpClient = HttpClientBuilder.create().build();
response = httpClient.execute(updateData);
updateData.releaseConnection();
jsonResponse = EntityUtils.toString(response.getEntity(),
"UTF-8");
    System.out.println("response: " + jsonResponse);
} catch (IOException ex) {

Logger.getLogger(RSONline.class.getName()).log(Level.SEVERE, null,
ex);
}

return jsonResponse;
}

public static void main(String[] args) {
    // TODO code application logic here
    RSONline ro = new RSONline();
    ro.putData();
}
}
```

## VB

Dibuat oleh RS BETHESDA YOGYAKARTA

```
Dim currentTime As Double
currentTime = (DateTime.UtcNow - New DateTime(1970, 1, 1, 0,
0, 0)).TotalSeconds
Dim url As String =
"http://sirs.kemkes.go.id/fo/index.php/Fasyankes"
Dim XRSid As String = "X-rs-id: "3404015" 'kode rs dari
kemenkes
Dim Xtimestamp As String = "X-Timestamp: " & currentTime
Dim XPass As String = "X-pass: 12345567"
'tulisPasswordDiSini

Dim cKodeRuang as string = "2"
Dim cNamaRuang as string = "Amarta"
Dim nJumlahRuang as integer = 1
Dim nJumlah as integer = 1
Dim nTerpakai as integer = 0
Dim nPrepare as integer = 0
Dim nPreparePlan as integer = 0
Dim nCovid as integer = 0

Try

Dim request As WebRequest = WebRequest.Create(url)

request.Method = "PUT"

request.Headers.Add(XRSid)
request.Headers.Add(Xtimestamp)
request.Headers.Add(XPass)

Dim postData As String

postData = "{"id_tt": "" & cKodeRuang & "",
""ruang"":"" & cNamaRuang & "", ""jumlah_ruang"":"" & nJumlahRuang
& "", ""jumlah"":"" & nJumlah & "", ""terpakai"":"" & nTerpakai &
"", ""prepare"":"" & nPrepare & "", ""prepare_plan"":"" &
nPreparePlan & "", ""covid"":"" & nCovid & ""}"

Dim byteArray As Byte() = Encoding.UTF8.GetBytes(postData)
request.ContentType = "application/json"
request.ContentLength = byteArray.Length

Dim dataStream As Stream = request.GetRequestStream()

dataStream.Write(byteArray, 0, byteArray.Length)
```

```
dataStream.Close()
Dim response As WebResponse = request.GetResponse()

dataStream = response.GetResponseStream()
Dim reader As New StreamReader(dataStream)

' Read the content.
Dim src As String = reader.ReadToEnd()

'MsgBox(src)
reader.Close()
dataStream.Close()
response.Close()

cPesanError = "BERHASIL"
Catch ex As Exception
cPesanError = "GAGAL"
End Try
```

## C#

Dibuat oleh RS PARU Dr. ARIO WIRAWAN

```
/*author Ali*/

public string HttpRequestRSONline(string method, string url, string
postData)
{
    var responseString = "";
    DateTime foo = DateTime.Now;
    long unixTime = ((DateTimeOffset)foo).ToUnixTimeSeconds();

    try
    {
        var request = (HttpWebRequest)WebRequest.Create(url);

        var data = Encoding.ASCII.GetBytes(postData);
        request.Timeout = ((1000 * 60) * 60) * 48;
        request.Method = method;
        request.ContentType = "application/json";
        request.Headers.Add("X-rs-id", "rsid");
        request.Headers.Add("X-Timestamp",
unixTime.ToString());
        request.Headers.Add("X-pass", "password");

        request.ContentLength = data.Length;
        if (data.Length > 0)
        {
            using (var stream = request.GetRequestStream())
            {
                stream.Write(data, 0, data.Length);
                stream.Close();
            }
        }
        var response = (HttpWebResponse)request.GetResponse();
        responseString = new
StreamReader(response.GetResponseStream()).ReadToEnd();
        Console.WriteLine("response=" + responseString);
        response.Close();
        return responseString;
    }
    catch
    {
        return "error";
    }
}
```

## DELPHI

Dibuat oleh Pusat Otak Nasional Prof. Dr. dr. Mahar Mardjono Jakarta

```
/*author Kofa*/

var
  frmUtama: TfrmUtama;
  lst: TStrings;
  stm: TStringStream;

const
  URL = 'http://sirs.kemkes.go.id/fo/index.php';

implementation

{$R *.dfm}

procedure TfrmUtama.btnUpdateTTClick(Sender: TObject);
var
  key: string;
  raw: string;
  sss: String;
begin
  lst.Clear;
  raw := '{"id_tt": "1","ruang": "R1","jumlah_ruang": "2","jumlah":
"50",'
      + '"terpakai": "0","prepare": "0","prepare_plan":
"0","covid": 0}';

  stm := TStringStream.Create(raw);

  key := 'Fasyankes';
  sss := RSONline(key, rsPUT, lst, stm);

  Memol.Text := sss;

  if sss = '' then
    Messagedlg('Error : '#13#10#13#10'Request gagal dikirim', mtError,
[mbOK], 0) else
    Messagedlg('Reequst berhasil dikirim', mtInformation, [mbOK], 0);
end;

function TfrmUtama.RSONline(AKey: String; AMethod: TRSMMethod; TAList:
TStrings; AStream: TStringStream): String;
var
  sss: String;
  res: IHTTPResponse;
begin
  http.CustomHeaders['X-rs-id'] := MY_CODE;
  http.CustomHeaders['X-timestamp'] := DateTimeToUnix(now).toString;
```

```
http.CustomHeaders['X-pass'] := MY_PASS;
http.CustomHeaders['Content-Type'] := 'application/json';

sss := '';
try
  if AMethod = rsGET then
  begin
    http.Get(url + '/' + AKey, stm);
    sss := stm.DataString;
  end;

  if AMethod = rsPOST then
  begin
    res := http.Post(url + '/' + AKey, stm);
    sss := res.ContentAsString;
  end;

  if AMethod = rsPUT then
  begin
    res := http.PUT(url + '/' + AKey, stm);
    sss := res.ContentAsString;
  end;

  if AMethod = rsDELETE then
  begin
    res := http.DELETE(url + '/' + AKey, stm);
    sss := res.ContentAsString;
  end;
except
  on E:Exception do
  begin
    Messagedlg('Error : '#13#10#13#10 + E.Message, mtError, [mbOK],
0);
  end;
end;

result := sss;
end;

initialization
  lst := TStringList.Create;
  stm := TStringStream.Create;

finalization
  lst.Free;
  stm.Free;

end.
```

## VB6

Dibuat oleh RSUD KRMT WONGSONEGORO

```
/*author Martin Setiawan*/

Option Explicit

Private Type FILETIME
    dwLowDateTime As Long
    dwHighDateTime As Long
End Type
Private Type SYSTEMTIME
    wYear As Integer
    wMonth As Integer
    wDayOfWeek As Integer
    wDay As Integer
    wHour As Integer
    wMinute As Integer
    wSecond As Integer
    wMilliseconds As Integer
End Type

Private Declare Function FileTimeToLocalFileTime Lib "kernel32"
(lpFileTime As FILETIME, lpLocalFileTime As FILETIME) As Long
Private Declare Function LocalFileTimeToFileTime Lib "kernel32"
(lpLocalFileTime As FILETIME, lpFileTime As FILETIME) As Long
Private Declare Function FileTimeToSystemTime Lib "kernel32"
(lpFileTime As FILETIME, lpSystemTime As SYSTEMTIME) As Long
Private Declare Function SystemTimeToFileTime Lib "kernel32"
(lpSystemTime As SYSTEMTIME, lpFileTime As FILETIME) As Long
Private Function ConvertToTglUnix(tgl As Date) As String
    ConvertToTglUnix = (tgl - DateSerial(1970, 1, 1)) * 86400
End Function
Private Function xtime(time As Date) As String
Dim the_date As Date
Dim system_time As SYSTEMTIME
Dim local_file_time As FILETIME
Dim utc_file_time As FILETIME

    ' Get the local time.
    the_date = CDate(time)

    ' Convert it into a SYSTEMTIME.
    DateToSystemTime the_date, system_time

    ' Convert it to a FILETIME.
    SystemTimeToFileTime system_time, local_file_time

    ' Convert it to a UTC time.
    LocalFileTimeToFileTime local_file_time, utc_file_time
```

```
' Convert it to a SYSTEMTIME.
FileTimeToSystemTime utc_file_time, system_time

' Convert it to a Date.
SystemTimeToDate system_time, the_date

' Display the result.
xtime = Format$(the_date)
End Function

' Convert a Date into a SYSTEMTIME.
Private Sub DateToSystemTime(ByVal the_date As Date, ByRef system_time
As SYSTEMTIME)
    With system_time
        .wYear = Year(the_date)
        .wMonth = Month(the_date)
        .wDay = Day(the_date)
        .wHour = Hour(the_date)
        .wMinute = Minute(the_date)
        .wSecond = Second(the_date)
    End With
End Sub

'Convert a SYSTEMTIME into a Date.
Private Sub SystemTimeToDate(system_time As SYSTEMTIME, ByRef the_date
As Date)
    With system_time
        ' The following doesn't work internationally.
        'the_date = CDate( _
        '   Format$(.wMonth) & "/" & _
        '   Format$(.wDay) & "/" & _
        '   Format$(.wYear) & " " & _
        '   Format$(.wHour) & ":" & _
        '   Format$(.wMinute, "00") & ":" & _
        '   Format$(.wSecond, "00"))

        ' Thanks to Justin Starnes for the
        ' following internationalized version.
        the_date = DateSerial(.wYear, .wMonth, .wDay) + _
            TimeSerial(.wHour, .wMinute, .wSecond)
    End With
End Sub

Private Function kirimSirs(id_tt, NamaRuangan, jumlahruang, jmlkamar,
terpakai, prepare, prepareplan, covid As String) As Boolean
On Error GoTo ErrorNda
    Dim req As WinHttp.WinHttpRequest
    Dim unixtime, url, tpost, hasil, xUserRS, xPasswordRS As String

    'Set user dan password
    xUserRS = ""
    xPasswordRS = ""
    'End Set
```

```
unixtime = ConvertToTglUnix(xtime(Now))
url = "http://sirs.kemkes.go.id/fo/index.php/Fasyankes"
tpost = "{$$id_tt$$:$$" & id_tt & "$$, $$ruang$$:$$" & NamaRuangan
& "$$, $$jumlah_ruang$$:$$" & jumlahruang & "$$, $$jumlah$$:$$" &
jmlkamar & "$$, $$terpakai$$:$$" & terpakai & "$$, $$prepare$$:$$" &
prepare & "$$, $$prepare_plan$$:$$" & prepareplan & "$$, $$covid$$:$$" &
covid & "$$}"
tpost = Replace(tpost, "$$", "")
Set req = New WinHttp.WinHttpRequest
req.Open "PUT", url
req.SetRequestHeader "X-rs-id", xUserRS
req.SetRequestHeader "X-Timestamp", unixtime
req.SetRequestHeader "X-pass", xPasswordRS
req.SetRequestHeader "Content-Type", "application/json"
req.Send tpost
hasil = req.ResponseText
If hasil = "" Then
    kirimSirs = False
Else
    kirimSirs = True
End If
Exit Function
ErrorNda:
    kirimSirs = False
    Exit Function
End Function

Private Sub Command1_Click()
    If kirimSirs(1, "GatotKaca VVIP", 1, 10, 5, 0, 0, 0) = False Then
        Call MsgBox("Pengiriman Gagal")
    Else
        Call MsgBox("Data Sudah di Update")
    End If
End Sub
```

## FOXPRO

Dibuat oleh : RS Umum Islam PKU Muhammadiyah Pekajangan di Pekalongan

\*Author Masthink

```
DECLARE Long InternetCheckConnection IN Wininet.dll String Url,;
        Long dwFlags, Long Reserved
        lcUrl1 = " http://sirs.kemkes.go.id/"

**konvert ke UTC
od = DATETIME()
oShell = CREATEOBJECT("WScript.Shell")
offsetMin =
oShell.RegRead("HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\TimeZo
neInformation\ActiveTimeBias")
lcutc= od + (offsetMin * 60)
oHTTP = CreateObject("Microsoft.XMLHTTP")
timestamp = lcutc-dateTIME(1970,1,1,0,0,0)
lcurl=' http://sirs.kemkes.go.id/fo/index.php/Fasyankes '

**Get data dari server SIMRS (disesuaikan)
SQLEXP(kon,"SELECT id_ttsirs,nm_ruang,sum(jumlah) as jumlah,SUM(terpakai)
as terpakai,covid FROM tbsirs GROUP BY id_ttsirs,nm_ruang,covid","
tbsirs2")
SELECT tbsirs2

IF RECCOUNT() <> 0
    DO WHILE !EOF()
        *Cek Koneksi ke sirs.kemkes.go.id
        IF InternetCheckConnection(lcUrl1, 1, 0) <> 0
            oHTTP.Open("PUT",lcurl, .F.)
            oHTTP.setRequestHeader('Accept', 'application/xml')
            oHTTP.setRequestHeader('X-rs-id', xkoders)
            oHTTP.setRequestHeader('X-Timestamp', timestamp)
            oHTTP.setRequestHeader('X-pass', xpass )

                text to lcjson noshow textmerge pretext 7
                { "id_tt": "<<tbsirs2.id_ttsirs>>", "ruang":
                "<<ALLTRIM(tbsirs2.nm_ruang)>>",
                "jumlah_ruang": "0", "jumlah": "<<tbsirs2.jumlah>>", "terpakai":
                "<<tbsirs2.terpakai>>",
                "prepare": "0", "prepare_plan": "0", "covid":
                "<<tbsirs2.covid>>" }
                ENDTEXT
```

```
oHTTP.Send(lcjson)
oHTTP.status
oHTTP.responseText
lcrespon=oHTTP.responseText

IF oHTTP.status=200
  SELECT tbsirs2
  SKIP
ELSE
  EXIT
ENDIF
ELSE
  EXIT
ENDIF
ENDDO
ENDIF
```