

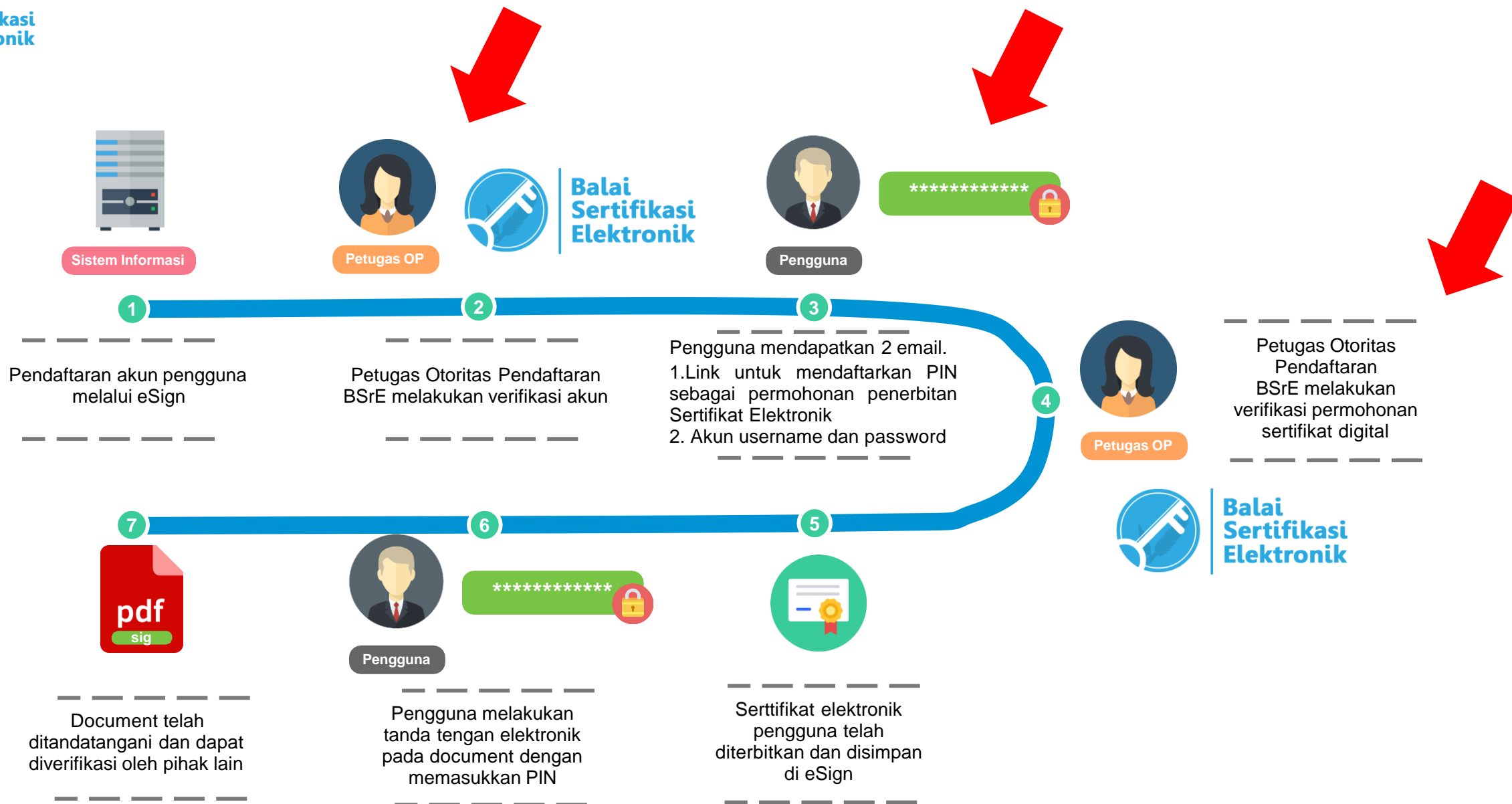
E-SIGN



**Balai
Sertifikasi
Elektronik**

API SERVICE







GET_ACCESS_TOKEN

POST

```
{{url}}/oauth/token?client_id={{client_id}}&client_secret={{client_secret}}&grant_type=client_credentials
```

PARAMETER

- client_id → *\$client_id*
- client_secret → *\$client_secret*

RESULT

```
{  
  "access_token": "cf4e693c-21f8-4d00-9632-ab6360fc9658",  
  "token_type": "bearer",  
  "expires_in": 3599,  
  "scope": "read write"  
}
```

Sebagai akses untuk
menggunakan *Service*
lainnya



SEND_SIGN_REQUEST

POST

```
{{url}}/api/v2/entity/sign/request?penandatangan={{username}}&tujuan=$tujuan&perihal=$perihal&info=$info&jenis_dokumen=$dokumen&nomor=$nomor&tampilan=$tampilan&image=$image&linkQR=$linkQR&halaman=$halaman&yAxis=$yAxis&xAxis=$xAxis&width=$width&height=$height
```

BODY

- FILE → *\$path_file*

RESULT

```
{  
  "message": "Permintaan tanda tangan telah disampaikan kepada user. Silahkan  
  untuk mengecek status tanda tangan",  
  "id_signed": "b7818f4aa0fb482d99a2f3c3214ba44c"  
}
```

ID untuk lanjut ke
proses berikutnya



SEND_SIGN_REQUEST (*cont..*)

PARAMETER		
• penandatanganan → <i>\$nik</i>		NOT_NULL
• tujuan → <i>\$tujuan</i>		OPTIONAL
• perihal → <i>\$perihal</i>		
• info → <i>\$info</i>		
• jenis_dokumen → <i>\$jenis_dokumen</i>		
• nomor → <i>\$nomor</i>		
• tampilan → <i>\$tampilan</i>	{visible; invisible}	NOT_NULL
• image → <i>\$image</i>	{true; false}	
• linkqr → <i>\$linkqr</i>		
• halaman → <i>\$halaman</i>	{pertama, terakhir}	
• yaxis → <i>\$yaxis</i>		
• xaxis → <i>\$xaxis</i>		
• width → <i>\$width</i>		
• height → <i>\$height</i>		



SIGN_DOKUMEN

POST

```
{{url}}/api/v2/entity/sign/$id_signed?passphrase=$passphrase&approved_info=$approved_info
```

PARAMETER

- passphrase → *\$passphrase*
- approved_info → *\$approved_info*

URL

- id_signed → *\$id_signed*

RESULT

```
{  
  "waktu": "51 ms",  
  "message": "Proses berhasil"  
}
```



DOWNLOAD_DOKUMEN

POST

`{{url}}/api/v2/entity/sign/download/$dokumen_id`

URL
<ul style="list-style-type: none">id_signed → <i>\$id_signed</i>



VERIFY_DOKUMEN

POST

`{{url}}/api/v2/entity/verify/`

BODY

- `signed_file` → `$path_file`



VERIFY_DOKUMEN

RESULT

```
{
  "SUMMARY": "DOCUMENT VALID !!!",
  "details": [
    {
      "info_signer": {
        "signer_dn": "2.5.4.13=19951028 201712 1 005_Proteksi Email dan Tanda Tangan  
Digital,E=andreyanto.pratama@bssn.go.id,CN=Andreyanto Pratama,OU=BSrE,O=Balai Sertifikasi  
Elektronik,L=Jakarta,ST=DKI Jakarta,C=ID",
        "cert_user_certified": false,
        "issuer_dn": "CN=OSD LU Kelas 2,O=Lembaga Sandi Negara,C=ID",
        "signer_name": "Andreyanto Pratama",
        "signer_cert_validity": "2018-03-06 10:34:50.00 to 2020-03-05 10:34:50.00"
      },
      "info_tsa": {
        "name": "Timestamp Authority Badan Siber dan Sandi Negara",
        "tsa_cert_validity": "2018-02-05 14:08:11.00 to 2020-02-05 14:08:11.00"
      },
      "signature_field": "sig-2107235502",
      "signature_document": {
        "signed_using_tsa": true,
        "signed_in": "2018-06-05 08:16:57.00",
        "location": "Jakarta",
        "reason": "Dokumen telah ditandatangani secara elektronik",
        "hash_value": "e008a8a8faaf00d30a6764509ab4299143ab873553ad00edc4c44f7c9bcdd8e6",
        "document_integrity": true,
        "signature_value": "31821c2e30.....fb9da1bd8073d941e3fdc9bfe0f3a12cb46dca0fd297c78695"
      }
    }
  ]
}
```

Status
dokumen

Penandatanganan
Pertama



```
.....  
.....  
{  
  "info_signer": {  
    "signer_dn": "2.5.4.13=19951028 201712 1 005_Proteksi Email dan Tanda Tangan  
Digital,E=andreyanto.pratama@bssn.go.id,CN=Andreyanto Pratama,OU=BSrE,O=Balai Sertifikasi  
Elektronik,L=Jakarta,ST=DKI Jakarta,C=ID",  
    "cert_user_certified": false,  
    "issuer_dn": "CN=OSD LU Kelas 2,O=Lembaga Sandi Negara,C=ID",  
    "signer_name": "Andreyanto Pratama",  
    "signer_cert_validity": "2018-03-06 10:34:50.00 to 2020-03-05 10:34:50.00"  
  },  
  "info_tsa": {  
    "name": "Timestamp Authority Badan Siber dan Sandi Negara",  
    "tsa_cert_validity": "2018-02-05 14:08:11.00 to 2020-02-05 14:08:11.00"  
  },  
  "signature_field": "sig-346858895",  
  "signature_document": {  
    "signed_using_tsa": true,  
    "signed_in": "2018-06-05 08:27:31.00",  
    "location": "",  
    "reason": "",  
    "hash_value": "483c10b161593ec59faaa9cd388b5708122c4b98a6a74a1ee1d4aa3dc2c69365",  
    "document_integrity": true,  
    "signature_value": "31821c2e30.....70d0101bd8073d941e3fdc9bfe0f3a12cb46dca0fd297c78695"  
  }  
},  
  "nama_dokumen": "Contoh Dokumen_sign_sign_sign.pdf",  
  "jumlah_signature": 3,  
  "notes": "Dokumen asli dan valid, tetapi sertifikat penandatanganan tidak dapat diverifikasi"  
}
```

Penandatanganan
selanjutnya

Info Dokumen

TERIMA KASIH
