

Dokumentasi API Pembayaran SPP



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XIRPL1/40

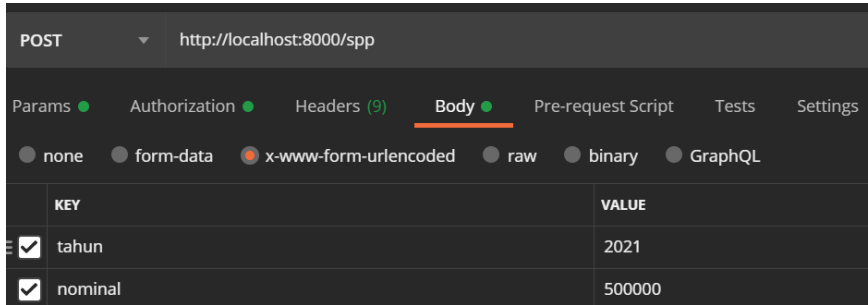
REKAYASA PERANGKAT LUNAK
SMK TELKOM MALANG
MARET 2021

A. REST API DATASPP

GET DATA

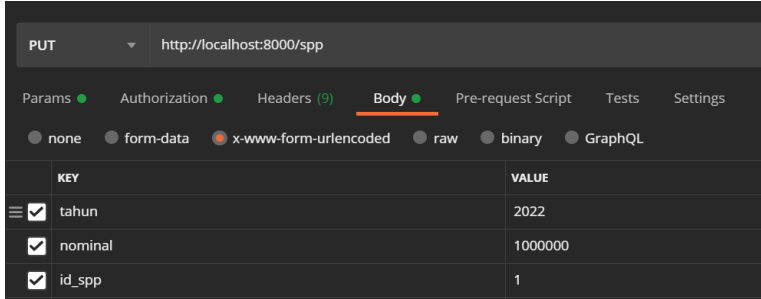
Endpoint	localhost:8000/spp
Method	GET
Header	Bearer Token
Request	-
Response	<pre>{ "message": "Data founded", "spp": [{ "id_spp": 1, "tahun": 2021, "nominal": 500000, "createdAt": "2021-06-01T11:54:40.000Z", "updatedAt": "2021-06-01T11:54:40.000Z", "siswa": [], "pembayaran": [] }], "found": true }</pre>

POST DATA

Endpoint	localhost:8000/spp						
Method	POST						
Header	Bearer Token						
Request	<p>Type: x-www-form-urlencoded</p>  <p>The screenshot shows a REST client interface for a POST request to http://localhost:8000/spp. The 'Body' tab is selected, and the content type is set to 'x-www-form-urlencoded'. The form data includes two fields: 'tahun' with value '2021' and 'nominal' with value '500000', both of which are checked as required.</p> <table><thead><tr><th>KEY</th><th>VALUE</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/> tahun</td><td>2021</td></tr><tr><td><input checked="" type="checkbox"/> nominal</td><td>500000</td></tr></tbody></table>	KEY	VALUE	<input checked="" type="checkbox"/> tahun	2021	<input checked="" type="checkbox"/> nominal	500000
KEY	VALUE						
<input checked="" type="checkbox"/> tahun	2021						
<input checked="" type="checkbox"/> nominal	500000						

Response	<pre>{ "message": "Data inserted", "data": { "id_spp": 1, "tahun": "2021", "nominal": "500000", "updatedAt": "2021-06-01T11:54:40.973Z", "createdAt": "2021-06-01T11:54:40.973Z" } }</pre>
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UPDATE DATA

Endpoint	localhost:8000/spp
Method	PUT
Header	Bearer Token
Request	Type: x-www-form-urlencoded 
Response	<pre>{ "message": "Data updated", "data": [1] }</pre>

DELETE DATA

Endpoint	localhost:8000/spp/:id_spp
Method	DELETE
Header	Bearer Token
Request	-
Response	<pre>{ "message": "Data deleted", "data": 1 }</pre>

B. REST API DATA SISWA

GET DATA WITH NISN

Endpoint	localhost:8000/siswa/:nisn
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Method	GET
Header	-
Request	-
Response	<pre> { "message": "Data founded", "data_siswa": { "nisn": 190211201, "nis": "1995", "nama": "wisnu", "id_kelas": 1, "alamat": "sidoarjo", "no_telp": "0811233912", "id_spp": 2, "createdAt": "2021- 06-01T19:50:06.000Z", "updatedAt": "2021- 06-01T19:50:06.000Z", "spp": { "id_spp": 2, "tahun": 2021, "nominal": 700000, "createdAt": "2021- 06-01T19:49:06.000Z", "updatedAt": "2021- 06-01T19:49:06.000Z", "pembayaran": [] }, "kelas": { "id_kelas": 1, "nama_kelas": "xirpl1", "kompetensi_keahlian": "Rekayasa Perangkat Lunak", "createdAt": "2021- 06-01T13:01:29.000Z", "updatedAt": "2021- 06-01T13:01:29.000Z" }, </pre>

	<pre> "pembayaran": [] }, "found": true } </pre>
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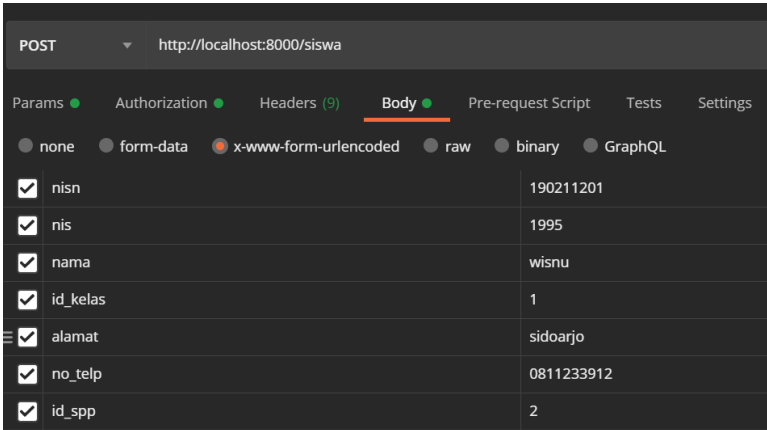
GET DATA

Endpoint	localhost:8000/siswa
Method	GET
Header	Bearer Token
Request	-
Response	"message": "Data founded",

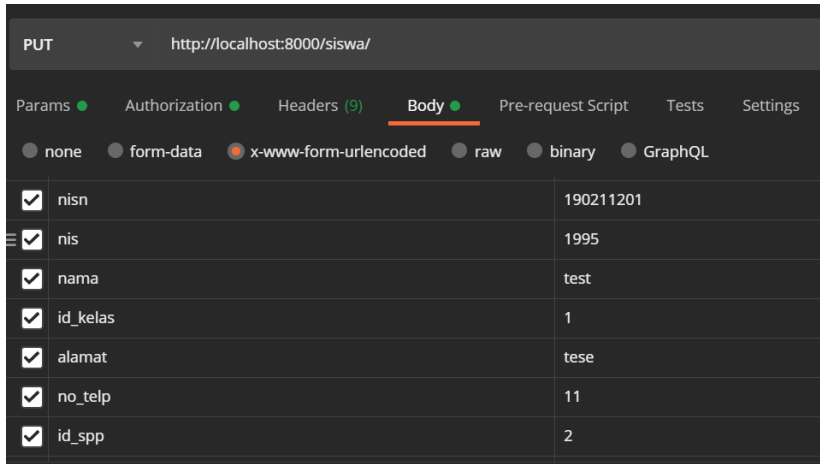
	<pre> { "message": "Data founded", "siswa": [{ "nisn": 190211201, "nis": "1995", "nama": "wisnu", "id_kelas": 1, "alamat": "sidoarjo", "no_telp": "0811233912", "id_spp": 2, "createdAt": "2021-06-01T19:50:06.000Z", "updatedAt": "2021-06-01T19:50:06.000Z", "spp": { "id_spp": 2, "tahun": 2021, "nominal": 700000, "createdAt": "2021-06-01T19:49:06.000Z", "updatedAt": "2021-06-01T19:49:06.000Z", "pembayaran": [] }, "kelas": { "id_kelas": 1, "nama_kelas": "xirpl1", "kompetensi_keahlian": "Rekayasa Perangkat Lunak", "createdAt": "2021-06-01T13:01:29.000Z", "updatedAt": "2021-06-01T13:01:29.000Z" }, "pembayaran": [] }], "found": true } </pre>
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POST DATA

Endpoint	localhost:8000/siswa
Method	POST
Header	Bearer Token
Request	Tipe: x-www-form-urlencoded

	
Response	<pre>{ "message": "Data inserted", "data": { "nisl": " 190211201", "nis": "1995", "nama": "wisnu", "id_kelas": "1", "alamat": "sidoarjo", "no_telp": " 0811233912", "id_spp": "2", "updatedAt": " 2021-06-01T19:50:06.908Z", "createdAt": " 2021-06-01T19:50:06.908Z" } }</pre>

UPDATE DATA

Endpoint	localhost:8000/siswa/
Method	PUT
Header	Bearer Token
Request	<p>Type: x-www-form-urlencoded</p> 

Response	<pre>{ "message": "Data updated", "data": [1] }</pre>
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DELETE DATA

Endpoint	localhost:8000/siswa/:NISN
Method	DELETE
Header	Bearer Token
Request	-
Response	<pre>{ "message": "Data deleted", "data": 0 }</pre>

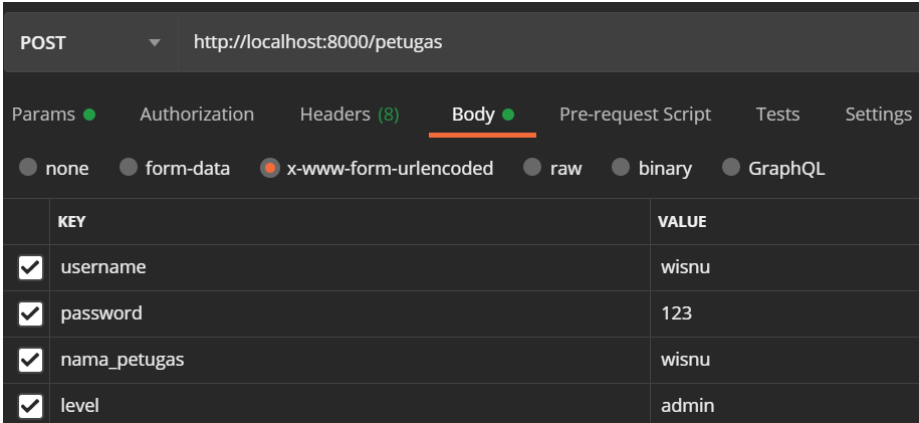
C. REST API DATA PETUGAS

GET DATA

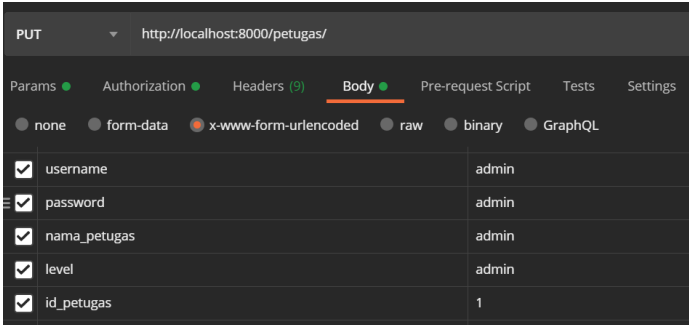
Endpoint	localhost:8000/petugas
Method	GET
Header	Bearer Token
Request	-
Response	<pre>{ "petugas": [{ "id_petugas": 2, "username": "wisnu", "password": "202cb962ac59075b964b07152d234b70", "nama_petugas": "wisnu", "level": "admin", "createdAt": " 2021-06-01T11:49:34.000Z", "updatedAt": " 2021-06-01T11:49:34.000Z", "pembayaran": [] }] "found": true }</pre>

POST DATA

Endpoint	localhost:8000/petugas
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Method	POST										
Header	Bearer Token										
Request	<p>Type: x-www-form-urlencoded</p>  <p>The screenshot shows a REST client interface for a POST request to <code>http://localhost:8000/petugas</code>. The 'Body' tab is selected, showing a table of form data:</p> <table border="1"> <thead> <tr> <th>KEY</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>username</td> <td>wisnu</td> </tr> <tr> <td>password</td> <td>123</td> </tr> <tr> <td>nama_petugas</td> <td>wisnu</td> </tr> <tr> <td>level</td> <td>admin</td> </tr> </tbody> </table>	KEY	VALUE	username	wisnu	password	123	nama_petugas	wisnu	level	admin
KEY	VALUE										
username	wisnu										
password	123										
nama_petugas	wisnu										
level	admin										
Response	<pre>{ "message": "Data inserted", "data": { "id_petugas": 2, "username": "wisnu", "nama_petugas": "wisnu", "level": "admin", "password": "202cb962ac59075b964b07152d234b70", "updatedAt": "2021-06-01T11:49:34.697Z", "createdAt": "2021-06-01T11:49:34.697Z" } }</pre>										

UPDATE DATA

Endpoint	localhost:8000/petugas										
Method	PUT										
Header	Bearer Token										
Request	<p>Type: x-www-form-urlencoded</p>  <p>The screenshot shows a REST client interface for a PUT request to <code>http://localhost:8000/petugas/</code>. The 'Body' tab is selected, showing a table of form data:</p> <table border="1"> <tbody> <tr> <td>username</td> <td>admin</td> </tr> <tr> <td>password</td> <td>admin</td> </tr> <tr> <td>nama_petugas</td> <td>admin</td> </tr> <tr> <td>level</td> <td>admin</td> </tr> <tr> <td>id_petugas</td> <td>1</td> </tr> </tbody> </table>	username	admin	password	admin	nama_petugas	admin	level	admin	id_petugas	1
username	admin										
password	admin										
nama_petugas	admin										
level	admin										
id_petugas	1										

Response	<pre>{ "message": "Data updated", "data": [0] }</pre>
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DELETE DATA

Endpoint	localhost:8000/petugas/id_petugas
Method	DELETE
Header	Bearer Token
Request	-
Response	<pre>{ "message": "Data deleted", "data": 0 }</pre>

D. REST API DATA PEMBAYARAN

GET DATA

Endpoint	localhost:8000/pembayaran
Method	GET
Header	Bearer Token
Request	-

Response	<pre> { "pembayaran": [{ "id_pembayaran": 1, "id_petugas": 2, "nisn": 190211201, "tgl_bayar": null, "bulan_dibayar": "3", "tahun_dibayar": "2021", "id_spp": 2, "jumlah_bayar": 700000, "createdAt": "2021-06-01T20:06:03.000Z", "updatedAt": "2021-06-01T20:06:03.000Z", "petugas": { "id_petugas": 2, "username": "wisnu", "password": "202cb962ac59075b964b07152d234b70", "nama_petugas": "wisnu", "level": "admin", "createdAt": "2021-06-01T11:49:34.000Z", "updatedAt": "2021-06-01T11:49:34.000Z" }, }, { "siswa": { "nisn": 190211201, "nis": "1995", "nama": "test", "id_kelas": 1, "alamat": "tese", "no_telp": "11", "id_spp": 2, "createdAt": "2021-06-01T19:50:06.000Z", "updatedAt": "2021-06-01T19:58:58.000Z", "spp": { "id_spp": 2, "tahun": 2021, "nominal": 700000, "createdAt": "2021-06-01T19:49:06.000Z", "updatedAt": "2021-06-01T19:49:06.000Z" }, }, },], }</pre>
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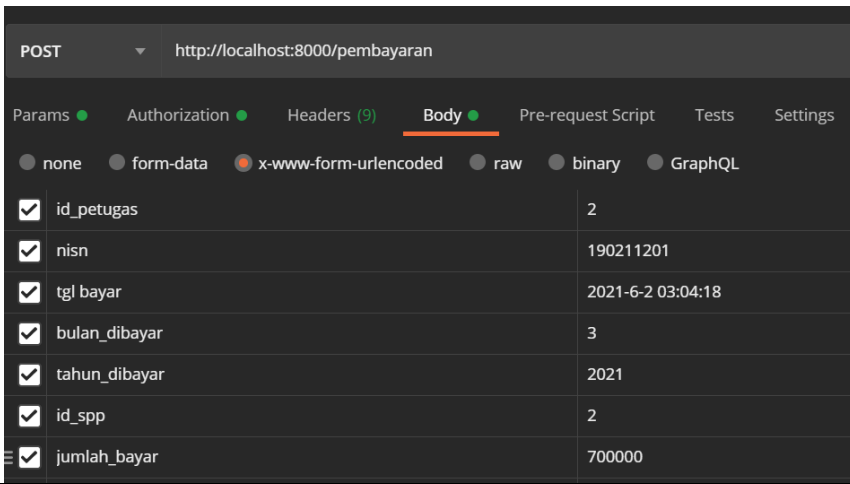
```

      "kelas": {
        "id_kelas": 1,
        "nama_kelas": "xirpl1",
        "kompetensi_keahlian": "Rekayasa Perangkat Lunak",
        "createdAt": "2021-06-01T13:01:29.000Z",
        "updatedAt": "2021-06-01T13:01:29.000Z"
      }
    },
    "spp": {
      "id_spp": 2,
      "tahun": 2021,
      "nominal": 700000,
      "createdAt": "2021-06-01T19:49:06.000Z",
      "updatedAt": "2021-06-01T19:49:06.000Z",
      "siswa": [
        {
          "nisn": 190211201,
          "nis": "1995",
          "nama": "test",
          "id_kelas": 1,
          "alamat": "tese",
          "no_telp": "11",
          "id_spp": 2,
          "createdAt": "2021-06-01T19:50:06.000Z",
          "updatedAt": "2021-06-01T19:58:58.000Z",
          "kelas": {
            "id_kelas": 1,
            "nama_kelas": "xirpl1",
            "kompetensi_keahlian": "Rekayasa Perangkat Lunak",
            "createdAt": "2021-06-01T13:01:29.000Z",
            "updatedAt": "2021-06-01T13:01:29.000Z"
          }
        }
      ]
    }
  },
  "found": true
}

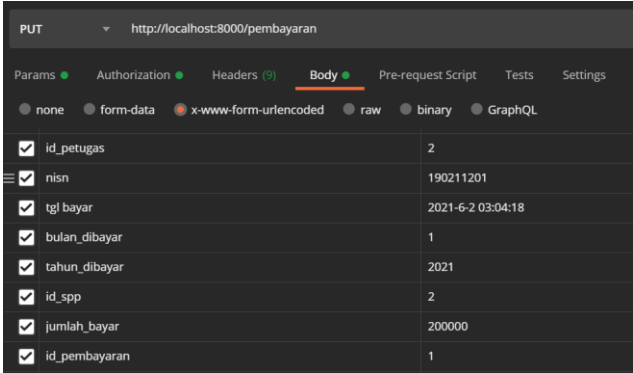
```

POST DATA

Endpoint	localhost:8000/pembayaran
Method	POST
Header	Bearer Token
Request	Type: x-www-form-urlencoded

	 <p>The screenshot shows a REST client interface for a POST request to <code>http://localhost:8000/pembayaran</code>. The 'Body' tab is selected, showing form-urlencoded data with the following fields:</p> <table border="1"><thead><tr><th>Field</th><th>Value</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/> id_petugas</td><td>2</td></tr><tr><td><input checked="" type="checkbox"/> nispn</td><td>190211201</td></tr><tr><td><input checked="" type="checkbox"/> tgl bayar</td><td>2021-6-2 03:04:18</td></tr><tr><td><input checked="" type="checkbox"/> bulan_dibayar</td><td>3</td></tr><tr><td><input checked="" type="checkbox"/> tahun_dibayar</td><td>2021</td></tr><tr><td><input checked="" type="checkbox"/> id_spp</td><td>2</td></tr><tr><td><input checked="" type="checkbox"/> jumlah_bayar</td><td>700000</td></tr></tbody></table>	Field	Value	<input checked="" type="checkbox"/> id_petugas	2	<input checked="" type="checkbox"/> nispn	190211201	<input checked="" type="checkbox"/> tgl bayar	2021-6-2 03:04:18	<input checked="" type="checkbox"/> bulan_dibayar	3	<input checked="" type="checkbox"/> tahun_dibayar	2021	<input checked="" type="checkbox"/> id_spp	2	<input checked="" type="checkbox"/> jumlah_bayar	700000
Field	Value																
<input checked="" type="checkbox"/> id_petugas	2																
<input checked="" type="checkbox"/> nispn	190211201																
<input checked="" type="checkbox"/> tgl bayar	2021-6-2 03:04:18																
<input checked="" type="checkbox"/> bulan_dibayar	3																
<input checked="" type="checkbox"/> tahun_dibayar	2021																
<input checked="" type="checkbox"/> id_spp	2																
<input checked="" type="checkbox"/> jumlah_bayar	700000																
Response	<pre>{ "message": "Data inserted", "data": { "id_pembayaran": 1, "id_petugas": "2", "nispn": "190211201", "bulan_dibayar": "3", "tahun_dibayar": "2021", "id_spp": "2", "jumlah_bayar": "700000", "updatedAt": "2021-06-01T20:06:03.093Z", "createdAt": "2021-06-01T20:06:03.093Z" } }</pre>																

UPDATE DATA

Endpoint	localhost:8000/pembayaran																
Method	PUT																
Header	Bearer Token																
Request	<p>Type: x-www-form-urlencoded</p>  <p>The screenshot shows a REST client interface with the following details:</p> <ul style="list-style-type: none">Method: PUTURL: http://localhost:8000/pembayaranBody Type: x-www-form-urlencodedBody Data: <table><tbody><tr><td><input checked="" type="checkbox"/> id_petugas</td><td>2</td></tr><tr><td><input checked="" type="checkbox"/> nispn</td><td>190211201</td></tr><tr><td><input checked="" type="checkbox"/> tgl_bayar</td><td>2021-6-2 03:04:18</td></tr><tr><td><input checked="" type="checkbox"/> bulan_dibayar</td><td>1</td></tr><tr><td><input checked="" type="checkbox"/> tahun_dibayar</td><td>2021</td></tr><tr><td><input checked="" type="checkbox"/> id_spp</td><td>2</td></tr><tr><td><input checked="" type="checkbox"/> jumlah_bayar</td><td>200000</td></tr><tr><td><input checked="" type="checkbox"/> id_pembayaran</td><td>1</td></tr></tbody></table>	<input checked="" type="checkbox"/> id_petugas	2	<input checked="" type="checkbox"/> nispn	190211201	<input checked="" type="checkbox"/> tgl_bayar	2021-6-2 03:04:18	<input checked="" type="checkbox"/> bulan_dibayar	1	<input checked="" type="checkbox"/> tahun_dibayar	2021	<input checked="" type="checkbox"/> id_spp	2	<input checked="" type="checkbox"/> jumlah_bayar	200000	<input checked="" type="checkbox"/> id_pembayaran	1
<input checked="" type="checkbox"/> id_petugas	2																
<input checked="" type="checkbox"/> nispn	190211201																
<input checked="" type="checkbox"/> tgl_bayar	2021-6-2 03:04:18																
<input checked="" type="checkbox"/> bulan_dibayar	1																
<input checked="" type="checkbox"/> tahun_dibayar	2021																
<input checked="" type="checkbox"/> id_spp	2																
<input checked="" type="checkbox"/> jumlah_bayar	200000																
<input checked="" type="checkbox"/> id_pembayaran	1																
Response	<pre>{ "message": "Data updated", "data": [1] }</pre>																

DELETE DATA

Endpoint	localhost:8000/pembayaran/:id_pembayaran
Method	DELETE
Header	Bearer Token
Request	Tipe: Params
Response	<pre>{ "message": "Data deleted", "data": 1 }</pre>

E. REST API DATA KELAS

GET DATA

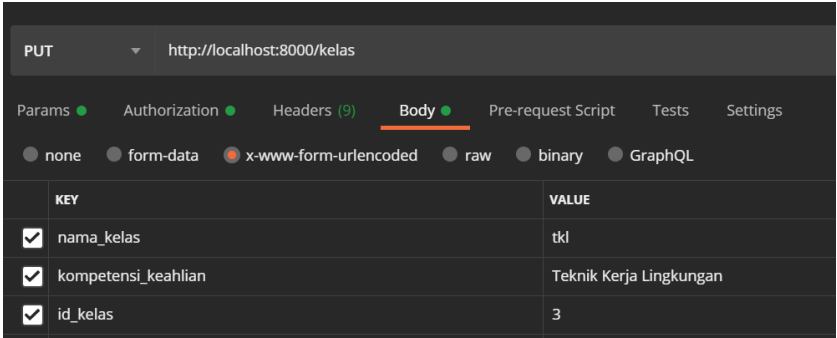
Endpoint	localhost:8000/kelas
Method	GET
Header	Bearer Token
Request	-
Response	<pre>{ "message": "Data founded", "kelas": [{ "id_kelas": 1, "nama_kelas": "xirpl1", "kompetensi_keahlian": "Rekayasa Perangkat Lunak", "createdAt": "2021-06-01T13:01:29.000Z", "updatedAt": "2021-06-01T13:01:29.000Z", "siswa": [] }, { "id_kelas": 2, "nama_kelas": "xitkj1", "kompetensi_keahlian": "Teknik Kerja Jaringan", "createdAt": "2021-06-01T13:01:45.000Z", "updatedAt": "2021-06-01T13:01:45.000Z", "siswa": [] }], "found": true }</pre>

POST DATA

Endpoint	localhost:8000/kelas
Method	POST
Header	Bearer Token

Request	<div><div>Type: x-www-form-urlencoded</div><div><div>POST</div><div>http://localhost:8000/kelas</div></div><div><div>Params</div><div>Authorization</div><div>Headers (9)</div><div>Body</div><div>Pre-request Script</div><div>Tests</div><div>Settings</div></div><div><div>none</div><div>form-data</div><div>x-www-form-urlencoded</div><div>raw</div><div>binary</div><div>GraphQL</div></div><table><thead><tr><th>KEY</th><th>VALUE</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/> nama_kelas</td><td>xitkj1</td></tr><tr><td><input checked="" type="checkbox"/> kompetensi_keahlian</td><td>Teknik Kerja Jaringan</td></tr></tbody></table></div>	KEY	VALUE	<input checked="" type="checkbox"/> nama_kelas	xitkj1	<input checked="" type="checkbox"/> kompetensi_keahlian	Teknik Kerja Jaringan
KEY	VALUE						
<input checked="" type="checkbox"/> nama_kelas	xitkj1						
<input checked="" type="checkbox"/> kompetensi_keahlian	Teknik Kerja Jaringan						
Response	<pre>{ "message": "Data inserted", "data": { "id_kelas": 2, "nama_kelas": "xitkj1", "kompetensi_keahlian": "Teknik Kerja Jaringan", "updatedAt": "2021-06-01T13:01:45.849Z", "createdAt": "2021-06-01T13:01:45.849Z" } }</pre>						

UPDATE DATA

Endpoint	localhost:8000/kelas								
Method	PUT								
Header	Bearer Token								
Request	<p>Type: x-www-form-urlencoded</p>  <p>The screenshot shows a REST client interface for a PUT request to http://localhost:8000/kelas. The 'Body' tab is selected, showing a table with three rows of form data:</p> <table><thead><tr><th>KEY</th><th>VALUE</th></tr></thead><tbody><tr><td>nama_kelas</td><td>tkl</td></tr><tr><td>kompetensi_keahlian</td><td>Teknik Kerja Lingkungan</td></tr><tr><td>id_kelas</td><td>3</td></tr></tbody></table>	KEY	VALUE	nama_kelas	tkl	kompetensi_keahlian	Teknik Kerja Lingkungan	id_kelas	3
KEY	VALUE								
nama_kelas	tkl								
kompetensi_keahlian	Teknik Kerja Lingkungan								
id_kelas	3								
Response	<pre>{ "message": "Data updated", "data": [1] }</pre>								

DELETE DATA

Endpoint	localhost:8000/kelas
Method	DELETE
Header	Bearer Token
Request	-
Response	<pre>{ "message": "Data deleted", "data": 1 }</pre>

F. REST API DATAAUTH

POST DATA

Endpoint	localhost:8000/auth								
Method	POST								
Header	Bearer Token								
Request	<p>Type: x-www-form-urlencoded</p>  <p>The screenshot shows the Postman interface for a POST request to http://localhost:8000/auth. The 'Body' tab is selected, and the format is set to 'x-www-form-urlencoded'. The following table represents the request body:</p> <table border="1"><thead><tr><th>KEY</th><th>VALUE</th></tr></thead><tbody><tr><td>username</td><td>wisnu</td></tr><tr><td>password</td><td>123</td></tr><tr><td>level</td><td>admin</td></tr></tbody></table>	KEY	VALUE	username	wisnu	password	123	level	admin
KEY	VALUE								
username	wisnu								
password	123								
level	admin								
Response	<pre>{ "data": { "id_petugas": 2, "username": "wisnu", "password": "202cb962ac59075b964b07152d234b70", "nama_petugas": "wisnu", "level": "admin", "createdAt": "2021-06-01T11:49:34.000Z", "updatedAt": "2021-06-01T11:49:34.000Z" }, "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkYXRhIjp7ImlkX3BldHVnYXMiOjIsbnVzZXJuYW1lIjoiaWoiLCJwYXNzd29yZCI6IiwMmNiOTYyZWYWM1OTA3NWl5NjRiMDcxNTJkMjM0YjcwLiwiYmFtYV9wZXRI1Z2FzIjoiaWoiLCJzZXZlbCI6ImFkbWluIiwieY3JlYXRIZEF0IjoiaWoiLCJpYXMS0wNi0wMVQxMT00OTozNC4wMDBaInwidXBkYXRIZEF0IjoiaWoiLCJpYXMS0wNi0wMVQxMT00OTozNC4wMDBaIn0sImhhbmciOiJMTYyMjU0ODM1NX0.tEnVGc8zKFXQyaITWVAV4UNoF008hAMSgTtXAHeezWc", "logged": true }</pre>								