**TUGAS UTS WEB SERVICE**

**Laporan tugas ini di susun guna memenuhi**

**Tugas Ujian Tengah Semester (UTS) Matakuliah Web Service**

**Dosen Pengampu : Wahyu Widodo, S.Kom., M.Kom**



**Disusun Oleh :**

**Nama : Ismail**

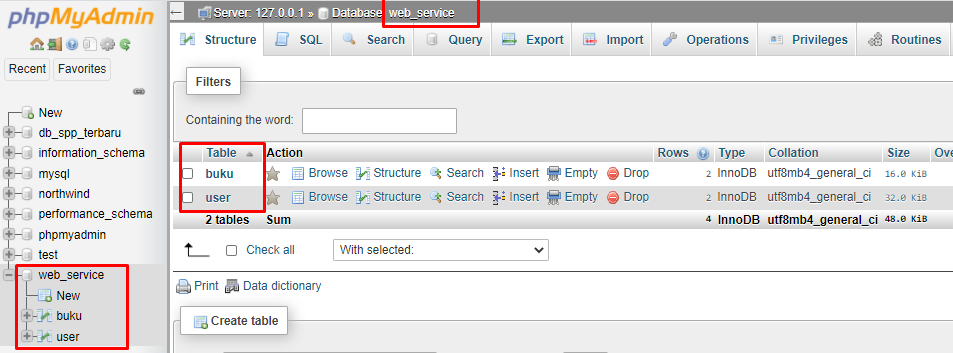
**NIM : 12191712**

**Jurusan : Teknik Informatika-Malam**

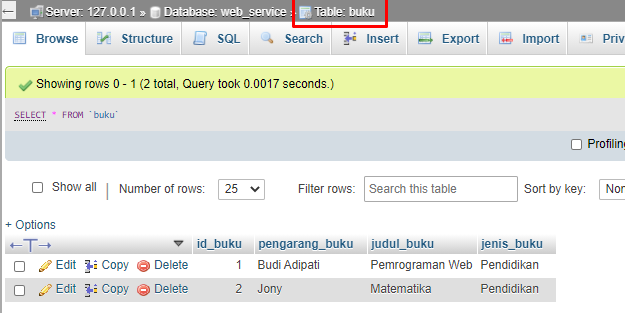
**SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER EL RAHMA YOGYAKARTA**

**2020**

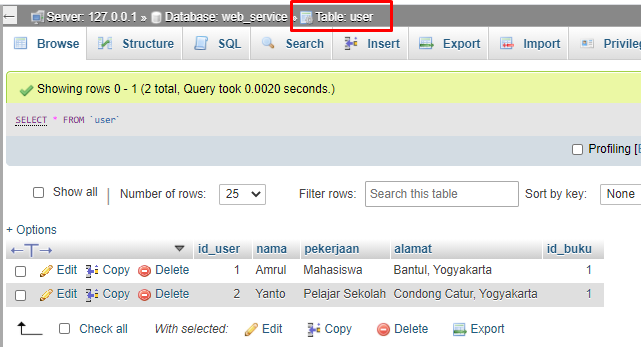
**Database Web Service :**



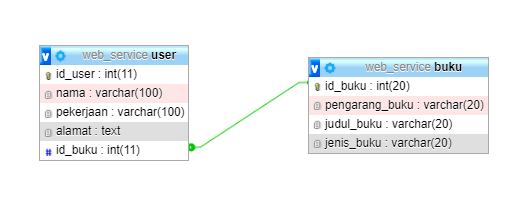
**Tabel Buku :**



**Tabel User :**



**Relasi Tabel :**



**Ket : User hanya boleh pinjam 1 buku**

**Many to One**

**Script Method Get :**

<?php

defined('BASEPATH') OR exit('No direct script access allowed');

require APPPATH . '/libraries/REST\_Controller.php';

use Restserver\Libraries\REST\_Controller;

class Buku extends REST\_Controller

{

function \_\_construct($config = 'rest')

{

parent::\_\_construct($config);

}

//Menampilkan data Method Get

public function index\_get()

{

$id = $this->get('id');

$buku=[];

if ($id == '')

{

$data = $this->db->get('buku')->result();

foreach ($data as $row => $key):

$buku[] = ["id\_buku"=>$key->id\_buku,

"pengarang\_buku"=>$key->pengarang\_buku,

"judul\_buku"=>$key->judul\_buku,

"jenis\_buku"=>$key->jenis\_buku,

"\_links"=>[(object) ["href"=>"user/{$key->id\_buku}",

"rel"=>"user",

"type"=>"GET"]],

];

endforeach;

}

else

{

$this->db->where('id\_buku', $id);

$data = $this->db->get('buku')->result();

}

$result = ["took"=>$\_SERVER["REQUEST\_TIME\_FLOAT"],

"code"=>200,

"message"=>"Response succesfully",

"data"=>$buku];

$this->response($result, 200);

}

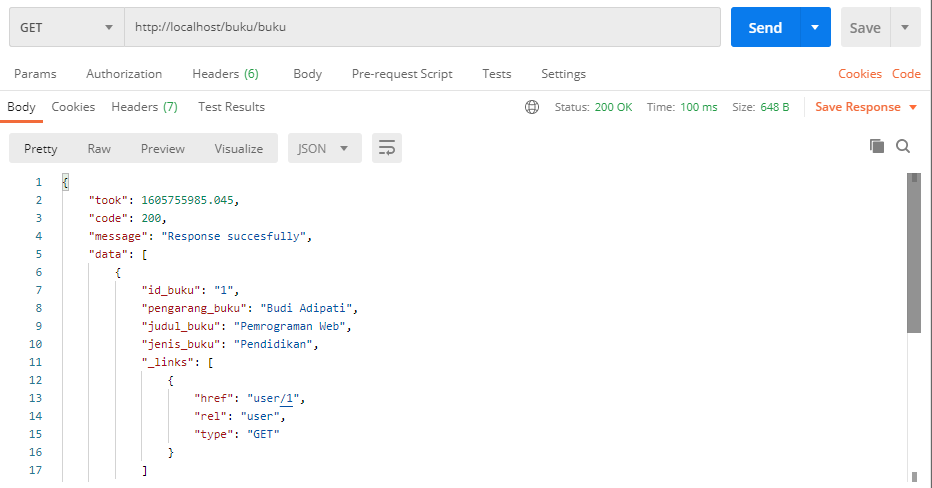
}

?>

**Screnshoot :**



**Hasilnya :**



**Hasil Postman dari Method Get :**

{

    "took": 1605757483.313,

    "code": 200,

    "message": "Response succesfully",

    "data": [

        {

            "id\_buku": "1",

            "pengarang\_buku": "Budi Adipati",

            "judul\_buku": "Pemrograman Web",

            "jenis\_buku": "Pendidikan",

            "\_links": [

                {

                    "href": "user/1",

                    "rel": "user",

                    "type": "GET"

                }

            ]

        },

        {

            "id\_buku": "2",

            "pengarang\_buku": "Jony",

            "judul\_buku": "Matematika",

            "jenis\_buku": "Pendidikan",

            "\_links": [

                {

                    "href": "user/2",

                    "rel": "user",

                    "type": "GET"

                }

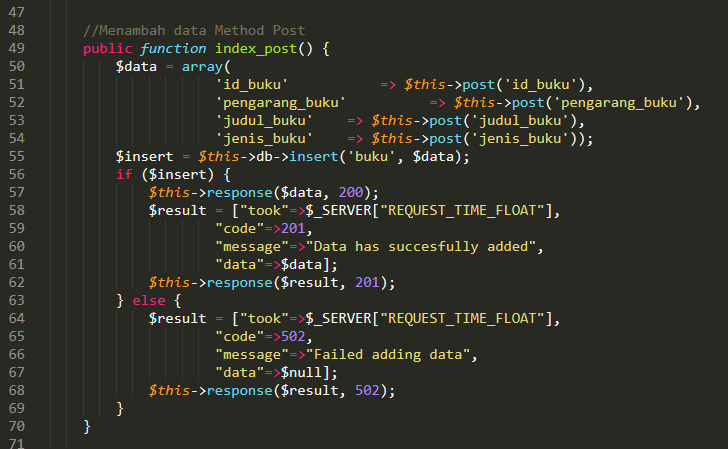
            ]

        }

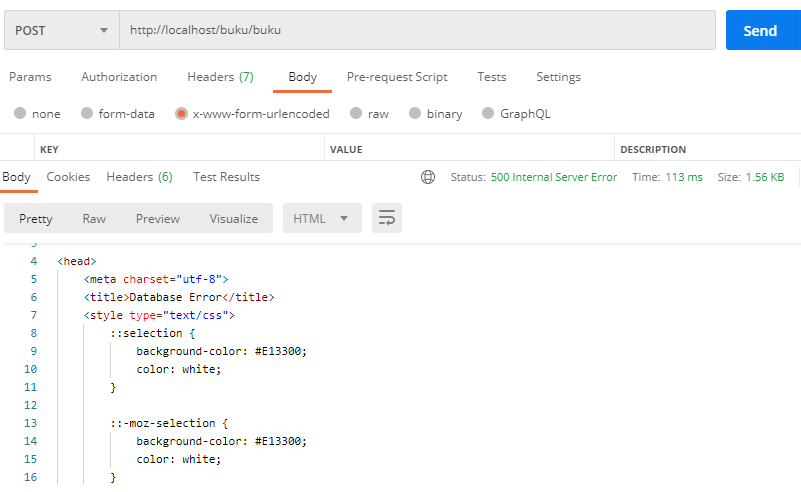
    ]

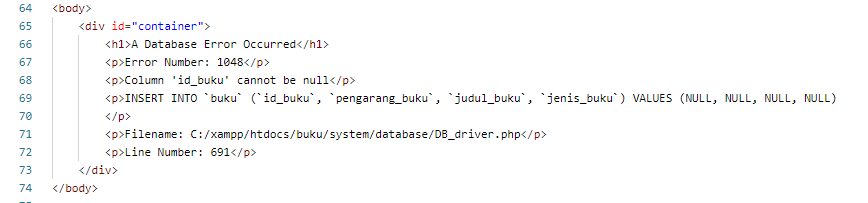
}

**Menambah data Method Post :**

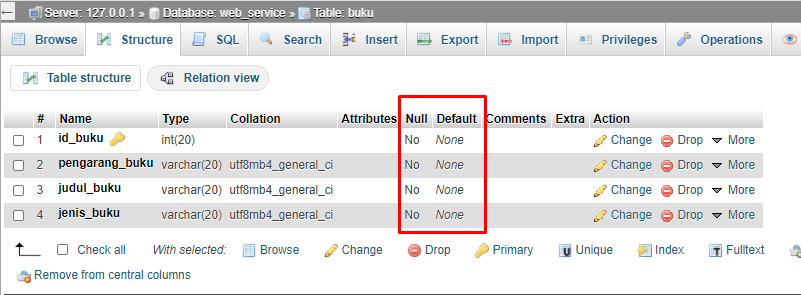


**Hasilnya :**





**Karena :**

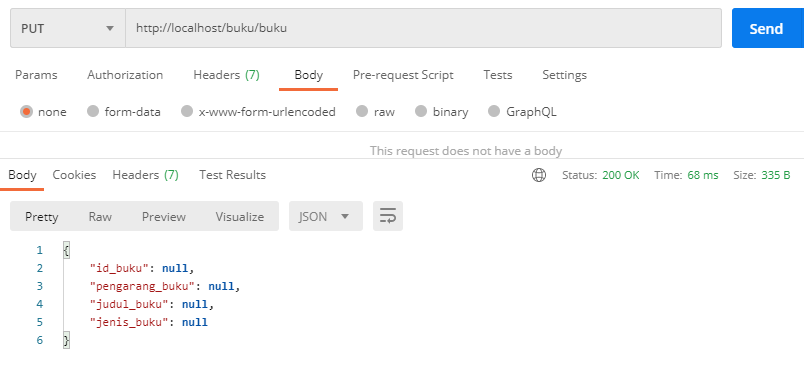


**Keterangan : Bisa error karena defaultnya “None” dan id\_buku itu typenya primary key, seharusnya diganti “Null”.**

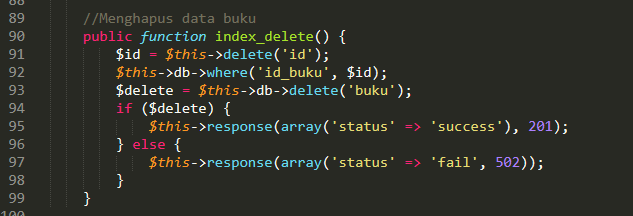
**Menampilkan data Method Put :**



**Hasilnya :**



**Menghapus data buku :**



**Hasilnya :**

