## **LAPORAN 6**

# **Integratif Programming**

Leveling Up Responses



### Disusun Oleh:

Nama: Ichsanul Dwi Prayitno

Nim: 4.33.20.0.14

Kelas: TI-4A

PROGRAM STUDI S.TR TEKNOLOGI REKAYASA KOMPUTER
JURUSAN TEKNIK ELEKTRO
POLITEKNIK NEGERI SEMARANG
TAHUN 2024

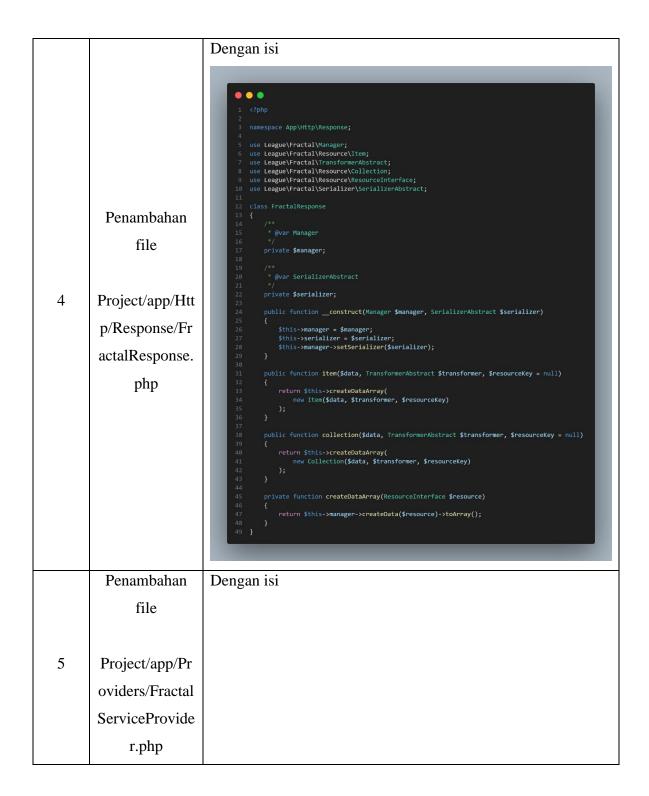
## **PRAKTEK**

## I. Lembar Kerja

No	Praktik	Hasil Program
1	Installasi The Fractal Response Class	Pada terminal jalankan "composer require league/fractal"  untuk installasi library fractal  PS D:\laragon\www\Intergrative Programming\Project> composer require league/fractal  //composer.json has been updated Running composer update league/fractal Loading composer prepositories with package information Updating dependencies Lock file operations: i install, 0 updates, 0 removals Locking league/fractal (0.20.1) writing lock file Installing dependencies from lock file (including require-dev) Package operations: i install, 0 updates, 0 removals Installing league/fractal (0.20.3): Extracting archive 2 package suggestions were addied by new dependencies, use 'composer suggest' to see details.  cenerating optimized autoload files Class TestsApp\Exceptions\WandlerTest located in D:/laragon/www/Intergrative Programming/Project/tests\app\Exceptions\WandlerTest.php does not comply with psr-4 autoloading standard. Skipping. Class Tests/Feature\BooksControllerTest located in D:/laragon/www/Intergrative Programming/Project/tests\app\Exceptions\WandlerTest.php does not comply with psr-4 autoloading standard. Skipping. Class Tests/Feature\BooksControllerTest located in D:/laragon/www/Intergrative Programming/Project/tests\app\Http\Controller\BooksCont nollerTest.php does not comply with psr-4 autoloading standard. Skipping.  64 package you are using are looking for funding. Use the 'composer fund' command to find out more! No security unlerability advisories found. Using version '0.30.1 for league/fractal PS D:\Laragon\www\Intergrative Programming\Project>[]
2	Perubahan pada file  Project/app/Htt p/Controllers/ BooksControll er.php	Penambahan Include Transformasi   I use App\Transformer\BookTransformer;  Extend base controller  1 class BooksController extends Controller  Function index  1 public function index() 2 { 3 return \$this->collection(Book::all(), new BookTransformer()); 4 }

```
Function show
                                    public function show($id)
                                        return $this->item(Book::findOrFail($id), new BookTransformer());
                            Function store
                                     public function store(Request $request)
                                         $book = Book::create($request->all());
                                         $data = $this->item($book, new BookTransformer());
                                         return response()->json($data, 201, [
                                             'Location' => route('books.show', ['id' => $book->id])
                            Function update
                                   public function update(Request $request, $id)
                                               $book = Book::findOrFail($id);
                                           } catch (ModelNotFoundException $e) {
                                              return response()->json([
                                               ], 404);
                                           $book->fill($request->all());
                                           $book->save();
                                           return $this->item($book, new BookTransformer());
       Perubahan file
                            Banyak
3
             pada
```

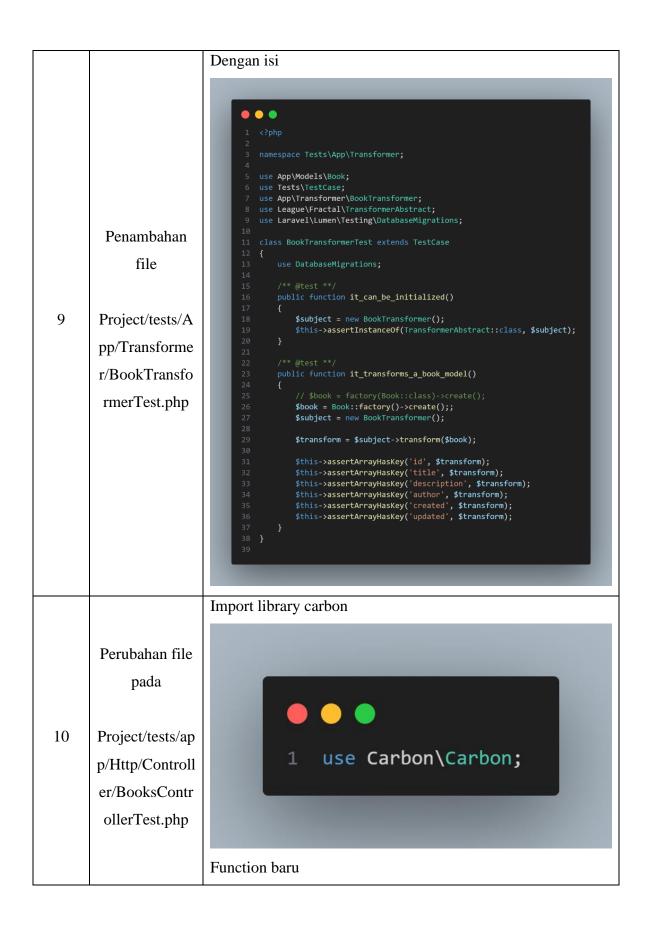
Project/app/Htt
p/Controllers/
Controller.php



```
use League\Fractal\Manager;
use App\Http\Response\FractalResponse;
use Illuminate\Support\ServiceProvider;
                                                use League\Fractal\Serializer\DataArraySerializer;
                                                     public function register()
                                                         $this->app->bind(
   'League\Fractal\Serializer\SerializerAbstract',
   'League\Fractal\Serializer\DataArraySerializer'
                                                         $this->app->bind(FractalResponse::class, function ($app) {
                                                         $manager = new Manager();
                                                             return new FractalResponse($manager, $serializer);
                                                         $this->app->alias(FractalResponse::class, 'fractal');
                                     Dengan isi
                                                  use App\Models\Book;
            Penambahan
                                                 use League\Fractal\TransformerAbstract;
                   file
6
          Project/app/Tr
                                                        * @param Book $book
          ansformer/Boo
                                                      public function transform(Book $book)
          kTransformer.
                                                                                => $book->id.
                   php
                                                                                => $book->title,
                                                                'description' => $book->description,
                                                                               => $book->author,
=> $book->created_at->toIso8601String(),
                                                                                => $book->updated_at->toIso8601String(),
                                     Tambahkan register sebelum di group
          Perubahan file
7
                  pada
```

	Project/bootstr ap/app.php	
	ар/арр.рпр	<pre>\$app-&gt;register(\App\Providers\FractalServiceProvider::class);  \$app-&gt;router-&gt;group([</pre>
	Penambahan	Dengan isi
	file	
8	Project/tests/A	
	pp/Http/Respo	
	nse/FractalRes	
	ponseTest.php	

```
. .
      use Mockery as m;
use League\Fractal\Manager;
use App\Htp\Response\FractalResponse;
use App\Htp\Response\Fractal\Serializer\SerializerAbstract;
                    $manager = m::mock(Manager::class);
$serializer = m::mock(SerializerAbstract::class);
                    $manager
->shouldReceive('setSerializer')
->with($serializer)
                         ->once()
->andReturn($manager);
                   $fractal = new FractalResponse($manager, $serializer);
$this->assertInstanceOf(FractalResponse::class, $fractal);
                    // Transformer
$transformer = m::mock('League\Fractal\TransformerAbstract');
                    // Scope
$scope = m::mock('League\Fractal\Scope');
$scope
->shouldReceive('toArray')
                        ->once()
->andReturn(['foo' => 'bar']);
                     $manager = m::mock('League\Fractal\Manager');
                    $manager
   ->shouldReceive('setSerializer')
   ->with($serializer)
   ->once();
                    $manager
   ->shouldReceive('createData')
   ->once()
                           ->andReturn($scope);
                    // Transformer
$transformer = m::mock('League\Fractal\TransformerAbstract');
                    // scope
sscope = m::mock('League\Fractal\Scope');
sscope
->shouldReceive('toArray')
                          ->once()
->andReturn($data);
                    // Serializer
$serializer = m::mock('League\Fractal\Serializer\SerializerAbstract');
                    $manager = m::mock('teague\Fractal\Manager');
$manager
->shouldReceive('setSerializer')
->with($serializer)
                    $manager
    ->shouldReceive('createData')
                           ->once()
->andReturn($scope);
```



```
public function setUpMod()

parent::setUp();
Carbon::setTestNow(Carbon::now('UTC'));

public function tearDownMod()

parent::tearDown();
Carbon::setTestNow();

parent::tearDown();
```

Function index\_should\_return\_a\_collection\_of\_records

Function show\_should\_return\_a\_valid\_book

Function store\_should\_save\_new\_book\_in\_the\_database

Function update\_should\_only\_change\_fillable\_fields

```
public function update_should_only_change_fillable_fields()
                                                                                                                                                                                                                              'title' >> 'War of the Worlds',
'description' => 'A science fiction masterpiece about Martians invading London',
'author' => 'H. G. Wells',
                                                                                                                                                                                                               $this->notSeeInDatabase('books', [
   'title' => 'The War of the Worlds',
   'description' => 'The book is way better than the movie.',
   'author' => 'Wells, H. G.'
                                                                                                                                                                         10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
}
                                                                                                                                                                                                                                'id' => 5,

'title' => 'The War of the Worlds',

'description' => 'The book is way better than the movie.',

'author' => 'Wells, H. G.'
                                                                                                                                                                                                           $this
->seeStatusCode(200)
->seeJson([
   'id' => 1,
   'title' => 'The War of the Worlds',
   'description' => 'The book is way better than the movie.',
   'author' => 'Wells, H. G.',
                                                                                                                                                                                                                            ])
->seeInDatabase('books', [
   'title' => 'The War of the Worlds'
                                                                                                                                                                                                                $body = json_decode($this->response->getContent(), true);
                                                                                                                                                                                                               $\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\text{$\frac{\frac{\text{$\frac{\text{$\frac{\frac{\text{$\frac{\text{$\frac{\frac{\frac{\text{$\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac
                                                                                                                                                          Hasil
                                                                                                                                                           PS D:\laragon\www\Intergrative Programming\Project> ./vendor/bin/phpunit PHPUnit 10.5.11 by Sebastian Bergmann and contributors.
                                                                                                                                                                                                                               PHP 8.1.10
                                                                 Testing
                                                                                                                                                            {\tt Configuration: D:\laragon\www\Intergrative\ Programming\Project\phpunit.xml}
11
                                                                 phpunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21 / 21 (100%)
                                                                                                                                                             Time: 00:22.661, Memory: 34.00 MB
                                                                                                                                                             PS D:\laragon\www\Intergrative Programming\Project>
```

#### **TEORI**

#### I. Lembar Soal

N/A

### II. Lembar Kerja

N/A