

LAPORAN PENGUJIAN PERANGKAT LUNAK

Tugas White Box Testing

Diajukan Untuk Memenuhi Tugas

Mata Kuliah Pengujian Perangkat Lunak

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White Box Testing

Link github:

https://github.com/nabilahzalfa/PWL_PROJECT-1.git

Berikut adalah white box testing yang digunakan untuk fitur supplier pada project Laravel:

1. Membuat file factory untuk membuat data palsu tanpa membuat seeder.

```
database > factories > SupplierFactory.php > SupplierFactory
1  <?php
2
3  namespace Database\Factories;
4
5  use Illuminate\Database\Eloquent\Factories\Factory;
6
7  class SupplierFactory extends Factory
8  {
9      /**
10       * Define the model's default state.
11       *
12       * @return array
13       */
14     public function definition()
15     {
16         return [
17             'nama_supplier' => $this->faker->name,
18             'deskripsi' => $this->faker->text,
19             'gambar' => $this->faker->imageUrl($width = 640, $height = 480),
20         ];
21     }
22 }
```

2. Berikut kode program dari white box testing CRUD untuk fitur Supplier.

```
tests > Feature > SupplierTest.php > ...
1  <?php
2
3  namespace Tests\Feature;
4
5  use App\Models\Supplier;
6  use App\Models\User;
7  use Illuminate\Foundation\Testing\RefreshDatabase;
8  use Illuminate\Foundation\Testing\WithFaker;
9  use Tests\TestCase;
10
11 class SupplierTest extends TestCase
12 {
13     use RefreshDatabase;
14     private $user;
15     private $supplier;
16     /**
17      * A basic feature test example.
18      *
19      * @return void
20      */
21
22     public function setUp(): void
23     {
24         parent::setUp();
25         $this->user = User::factory()->create([
26             'status' => 'admin'
27         ]);
28         $this->supplier = Supplier::factory()->create();
29     }
30
31     public function test_open_supplier_page()
32     {
33     }
```

```

33     $response = $this->actingAs($this->user)->get('/supplier');
34     $response->assertStatus(200);
35 }
36
37 public function test_create_supplier()
38 {
39     $response = $this->actingAs($this->user)->post('/supplier', [
40         'nama_supplier' => 'Supplier 1',
41         'deskripsi' => 'Deskripsi Supplier 1',
42         'gambar' => 'https://picsum.photos/640/480'
43     ]);
44     $response->assertStatus(302);
45     $this->assertDatabaseHas('supplier', [
46         'nama_supplier' => 'Supplier 1',
47         'deskripsi' => 'Deskripsi Supplier 1',
48         'gambar' => 'https://picsum.photos/640/480'
49     ]);
50
51     $response = $this->followingRedirects()->actingAs($this->user)->get('/supplier');
52     $response->assertSee('Supplier berhasil ditambahkan');
53 }
54
55 public function test_read_data_supplier()
56 {
57     $response = $this->actingAs($this->user)->get('/supplier/{'.$this->supplier->id.'}');
58     $response->assertSee($this->supplier->nama_supplier);
59     $response->assertSee($this->supplier->deskripsi);
60 }
61
62 public function test_update_data_supplier(){
63     $response = $this->actingAs($this->user)->put('/supplier/{'.$this->supplier->id.'}', [
64         'nama_supplier' => 'Supplier Baru',
65         'deskripsi' => 'Deskripsi Baru',
66         'gambar' => 'https://picsum.photos/640/480'
67     ]);
68     $response->assertStatus(302);
69     $this->assertDatabaseHas('supplier', [
70         'nama_supplier' => 'Supplier Baru',
71         'deskripsi' => 'Deskripsi Baru',
72         'gambar' => 'https://picsum.photos/640/480'
73     ]);
74
75     $response = $this->followingRedirects()->actingAs($this->user)->get('/supplier');
76     $response->assertSee('Supplier berhasil diperbarui');
77 }
78
79 public function test_delete_data_supplier(){
80     $response = $this->actingAs($this->user)->delete('/supplier/{'.$this->supplier->id.'}');
81     $response->assertStatus(302);
82     $this->assertDatabaseMissing('supplier', [
83         'nama_supplier' => $this->supplier->nama_supplier,
84         'deskripsi' => $this->supplier->deskripsi,
85         'gambar' => $this->supplier->gambar
86     ]);
87
88     $response = $this->followingRedirects()->actingAs($this->user)->get('/supplier');
89     $response->assertSee('Supplier berhasil dihapus');
90 }
91 }

```

3. Berikut hasil running dari testing CRUD:

```

PS C:\xampp\htdocs\PWL_PROJECT-1> php artisan test --filter SupplierTest
Warning: TTY mode is not supported on Windows platform.

```

```

PASS Tests\Feature\SupplierTest

```

- ✓ open supplier page
- ✓ create supplier
- ✓ read data supplier
- ✓ update data supplier
- ✓ delete data supplier

```

Tests: 5 passed

```

```

Time: 11.68s

```