

LAPORAN TUGAS PRAKTIKUM

ANGULAR



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**PROGRAM STUDI S1 INFORMATIKA
FAKULTAS INFORMATIKA DAN TEKNIK ELEKTRO
INSTITUT TEKNOLOGI DEL**

I. Screenshot Code Snippet

KODE PROGRAM

```
1 <!--The content below is only a placeholder and can be replaced.-->
2 <form class="ui large form segment">
3   <h3 class="ui header">Add a Link</h3>
4   <div class="field">
5     <label for="title">Title:</label>
6     <input name="title" #newtitle >
7   </div>
8   <div class="field">
9     <label for="link">Link:</label>
10    <input name="link" #newlink >
11  </div>
12  <button type="button" (click)="duplicateChild(newtitle, newlink)" class="ui positive right floated button">
13    Submit link
14  </button>
15 </form>
16
17 <div *ngFor="let child of childItems">
18   <app-article [title]="child.title" [link]="child.link">
19 </app-article>
20 </div>
```

app.component.html

```
1 import { BrowserModule } from '@angular/platform-browser';
2 import { NgModule } from '@angular/core';
3
4 import { AppComponent } from './app.component';
5 import { ArticleComponent } from './article/article.component';
6
7 @NgModule({
8   declarations: [
9     AppComponent,
10    ArticleComponent
11  ],
12   imports: [
13     BrowserModule
14  ],
15   providers: [],
16   bootstrap: [AppComponent]
17 })
18 export class AppModule { }
19
```

App.component.ts

```

1  import { BrowserModule } from '@angular/platform-browser';
2  import { NgModule } from '@angular/core';
3
4  import { AppComponent } from './app.component';
5  import { ArticleComponent } from './article/article.component';
6
7  @NgModule({
8    declarations: [
9      AppComponent,
10     ArticleComponent
11   ],
12   imports: [
13     BrowserModule
14   ],
15   providers: [],
16   bootstrap: [AppComponent]
17 })
18 export class AppModule { }
19

```

app.module.ts

```

1  import { TestBed, async } from '@angular/core/testing';
2  import { AppComponent } from './app.component';
3  describe('AppComponent', () => {
4    beforeEach(async(() => {
5      TestBed.configureTestingModule({
6        declarations: [
7          AppComponent
8        ],
9      }).compileComponents();
10   }));
11   it('should create the app', async(() => {
12     const fixture = TestBed.createComponent(AppComponent);
13     const app = fixture.debugElement.componentInstance;
14     expect(app).toBeTruthy();
15   }));
16   it('should have as title \'app\'', async(() => {
17     const fixture = TestBed.createComponent(AppComponent);
18     const app = fixture.debugElement.componentInstance;
19     expect(app.title).toEqual('app');
20   }));
21   it('should render title in a h1 tag', async(() => {
22     const fixture = TestBed.createComponent(AppComponent);
23     fixture.detectChanges();
24     const compiled = fixture.debugElement.nativeElement;
25     expect(compiled.querySelector('h1').textContent).toContain('Welcome to samuel-sibuea04!');
26   }));
27 });

```

app.component.spec.ts

```
1 import { Component, Host, Input, OnInit } from '@angular/core';
2
3 @Component({
4   selector: 'app-article',
5   templateUrl: './article.component.html',
6   styleUrls: ['./article.component.css']
7 })
8 export class ArticleComponent implements OnInit {
9   @Input() title: string;
10  @Input() link: string;
11  votes = 10;
12
13  constructor(){
14  }
15  voteUp(){
16    this.votes += 1;
17    return false;
18  }
19  voteDown(){
20    this.votes -=1;
21    return false;
22  }
23  ngOnInit() {
24  }
25
26 }
```

article.component.ts



```
1 <div class="four wide column center aligned votes">
2   <div class="ui statistic">
3     <div class="value">
4       {{votes}}
5     </div>
6     <div class="label">
7       Points
8     </div>
9   </div>
10 </div>
11
12 <div class="twelve wide column">
13   <a class="ui large header" href="{{link}}">
14     {{title}}
15   </a>
16   <ul class="ui big horizontal list voters">
17     <li class="item">
18       <a href (click)="voteUp()">
19         <i class="arrow up icon"></i>
20         upvote
21       </a>
22     </li>
23     <li class="item">
24       <a href (click)="voteDown()">
25         <i class="arrow down icon"></i>
26         downvote
27       </a>
28     </li>
29   </ul>
30 </div>
```

article.component.html

```

1  import { async, ComponentFixture, TestBed } from '@angular/core/testing';
2
3  import { ArticleComponent } from '../article.component';
4
5  describe('ArticleComponent', () => {
6    let component: ArticleComponent;
7    let fixture: ComponentFixture<ArticleComponent>;
8
9    beforeEach(async(() => {
10      TestBed.configureTestingModule({
11        declarations: [ ArticleComponent ]
12      })
13      .compileComponents();
14    }));
15
16    beforeEach(() => {
17      fixture = TestBed.createComponent(ArticleComponent);
18      component = fixture.componentInstance;
19      fixture.detectChanges();
20    });
21
22    it('should create', () => {
23      expect(component).toBeTruthy();
24    });
25  });
26

```

article.component.spec.ts

OUTPUT CODE

Add a Link

Title:

Link:

State awal output

Add a Link

Title:

Link:

10

Points

[Ecourse](#)

- [upvote](#)
- [downvote](#)

Penambahan sebuah artikel

Add a Link

Title:

Link:

10

Points

[Ecourse](#)

- [upvote](#)
- [downvote](#)

10

Points

[TypeScript Arrays](#)

- [upvote](#)
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10

Points

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Penambahan beberapa artikel