

LAPORAN PRAKTIKUM PEMROGRAMAN WEB

JavaScript - Week 2



Disusun oleh:

Nama : Muhammad Ryan Fikri Fakhrezi

Nim : L0122114

Kelas : C

PROGRAM STUDI INFORMATIKA

FAKULTAS TEKNOLOGI INFORMASI DAN SAINS DATA

UNIVERSITAS SEBELAS MARET

2024

1. Source code

a. Index.html

```
public > index.html > html:scroll-smooth > body:m-0 p-0 > main:bg-slate-900 > article/contactMe:p-20 > form > table:w-3/4 > tr > td > input#inputName:text-white
1 <!DOCTYPE html>
2 <html lang="en" class="scroll-smooth">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7
8   <title>Ryan Fikri</title>
9   <link href="css/style.css" rel="stylesheet">
10 </head>
11
12 <body class="m-0 p-0">
13   <header class="inline">
14     <nav class="py-4 pl-20 top-0 sticky bg-gray-800">
15       <ul class="flex flex-row">
16         <li><a class="py-4 px-8 top-0 bg-transparent text-white font-semibold duration-300 hover:bg-blue-400 hover:duration-300 href="#home">Home</a></li>
17         <li><a class="py-4 px-8 top-0 bg-transparent text-white font-semibold duration-300 hover:bg-blue-400 hover:duration-300 href="#projects">Projects</a></li>
18         <li><a class="py-4 px-8 top-0 bg-transparent text-white font-semibold duration-300 hover:bg-blue-400 hover:duration-300 href="#memes">Memes</a></li>
19         <li><a class="py-4 px-8 top-0 bg-transparent text-white font-semibold duration-300 hover:bg-blue-400 hover:duration-300 href="#about">About</a></li>
20       </ul>
21     </nav>
22   </header>
23
24   <main class="bg-slate-900">
25     <article id="home" class="p-20">
26       <div class="py-36">
27         <h1 class="text-8xl font-bold text-white pt-5 pb-0">Hi, I'm Ryan Fikri</h1>
28         <p class="text-8xl font-bold my-6 text-white">Professional Googler
29       </p>
30       <a class="my-20 p-3 bg-blue-400 border-blue-400 border-2 rounded duration-300 hover:bg-transparent hover:text-white hover:duration-200"
31         href="#">SEE MORE</a>
32     </div>
33   </article>
34
35   <article id="projects" class="p-20">
36     <h1 class="py-5 text-4xl font-bold text-white">Projects</h1>
37     <p class="text-white text-lg">Here are some of my projects</p>
38     <ul class="flex flex-col grow">
39       <li class="flex flex-row grow mx-10 my-5 bg-slate-800 p-10 rounded">
40         <div class="flex flex-col grow">
41           <h3 class="text-white font-bold grow text-lg">Nonsense Nebula's Problem Goes Pew Pew</h3>
42           <p class="text-white grow text-lg">
43             A spaceship shooting game that is definitely not based on a game from 2002 called Platypus.
44             <br>
45             This game was built using only C++ and the SFML library. <br>
46             This game was made without a game engine because if you can do it the hard way, why do it
47             the easy way?
48           </p>
49           <a class="my-6 p-3 w-max bg-blue-400 border-blue-400 border-2 rounded duration-300 hover:bg-transparent hover:text-white hover:duration-200"
50             href="https://github.com/Yanfiq/NonsenseNebulaProblem">SEE IN GITHUB</a>
51         </div>
52         
53       </li>
54       <li class="flex flex-row grow mx-10 my-5 bg-slate-800 p-10 rounded">
55         <div class="flex flex-col grow">
56           <h3 class="text-white font-bold grow text-lg">Literalog</h3>
57
```

```
public > index.html > html:scroll-smooth > body:m-0 p-0 > main:bg-slate-900 > article/contactMe:p-20 > form > table:w-3/4 > tr > td > input#inputName:text-white
57       <h3 class="text-white font-bold grow text-lg">Literalog</h3>
58       <p class="text-white grow text-lg">
59         Literalog is a desktop application that is useful for recording personal book collections, recording reading progress, and recording book wishlist. This application i
60       </p>
61       <a class="my-6 p-3 w-max bg-blue-400 border-blue-400 border-2 rounded duration-300 hover:bg-transparent hover:text-white hover:duration-200"
62         href="https://github.com/Yanfiq/Literalog">SEE IN GITHUB</a>
63     </div>
64     
65   </li>
66 </ul>
67 <a class="my-6 p-3 bg-blue-400 border-blue-400 border-2 rounded duration-300 hover:bg-transparent hover:text-white hover:duration-200 place-self-center" href="#">SEE MORE</a>
68 </article>
69
70 <article id="memes" class="p-20">
71   <h1 class="py-5 text-4xl font-bold text-white">Memes</h1>
72   <p class="text-white text-lg">Here are some memes made by my friends</p>
73   <div id="meme" class="grid grid-cols-4 gap-y-20 gap-x-5 bg-slate-800 p-10 m-10 rounded">
74     
75     
76     
77     
78     
79     
80     
81     
82   </div>
83 </article>
84
85 <article id="about" class="flex flex-col p-20">
86   <h1 class="py-5 text-4xl font-bold text-white">About me</h1>
87   <div class="flex flex-row">
88     <div class="flex flex-col justify-evenly mr-24">
89       <p class="text-white text-lg">
90         My name is Muhammad Ryan Fikri Fakhrezi, I am currently a computer science undergraduate at the
91         Sebelas Maret University.
92         I started college in 2022 after graduating from Muhammadiyah Boarding School Yogyakarta in the
93         same year.
94       </p>
95       <p class="text-white text-lg">
96         I started my programming adventure around 2019-2020 during the COVID-19 pandemic.
97         The first language I learned was Python. That's when I started to love programming.
98         I am currently learning C, C++, JavaScript, and Java.
99       </p>
100      <p class="text-white text-lg">
101        For now, I'm still looking into which field I want to work in.
102        But for now I am quite interested in software development, game development and web development.
103        I hope that in the future I can create a work that can benefit the community.
104      </p>
105    </div>
106    
107  </div>
108 </article>
109
110 <article id="contactMe" class="p-20">
111   <h1 class="py-5 text-4xl font-bold text-white">Contact me</h1>
112   <form>
113     <table class="w-3/4">
```

```

110 <article id="contactMe" class="p-20">
111   <h1 class="py-5 text-4xl font-bold text-white">Contact me</h1>
112   <form>
113     <table class="w-3/4">
114       <tr>
115         <td><label for="inputName" class="text-white">Name</label></td>
116         <td><input type="text"
117           id="inputName"
118           name="name"
119           placeholder="Kimi No Namaewa"
120           required
121           class="text-white"
122         />
123       </td>
124     </tr>
125     <tr>
126       <td><label for="inputEmail" class="text-white">Email</label></td>
127       <td><input type="email" id="inputEmail" name="inputEmail" placeholder="Kimi No Emailwa" class="text-white" required /></td>
128     </tr>
129     <tr>
130       <td colspan="2"><label for="inputMsg" class="text-white">Message</label></td>
131     </tr>
132     <tr>
133       <td colspan="2"><textarea id="inputMsg" name="inputMsg" rows="5" maxlength="100" class="text-white"></textarea></td>
134     </tr>
135     <tr>
136       <td colspan="2">
137         <label id="notifikasiSisaKarakter" class="text-white">
138           Character remains: <span id="sisaKarakter"></span>
139         </label>
140       </td>
141     </tr>
142     <tr>
143       <td colspan="2"><input type="submit" id="submit" value="SEND" class="my-6 p-3 bg-blue-400 border-blue-400 border-2 rounded duration-300 hover:bg-transparent hover:
144     </tr>
145   </table>
146 </form>
147 </article>
148
149 <aside class="fixed top-1/2 right-0 -translate-y-1/2">
150   <ul class="p-0 bg-blue-400 flex flex-col rounded">
151     <li class="p-1 list-none w-12 h-12"><a href="https://www.facebook.com/ryan.fikri.129/">
152       </a></li>
153     <li class="p-1 list-none w-12 h-12">
154       <a href="https://www.linkedin.com/in/muhammad-ryan-fikri-fakhrizi-750504250/">
155         </a></li>
156     <li class="p-1 list-none w-12 h-12">
157       <a href="https://www.instagram.com/12yan.fikri/">
158         </a></li>
159     <li class="p-1 list-none w-12 h-12">
160       <a href="https://wa.me/6287734341945">
161         </a></li>
162   </ul>
163 </aside>
164 </main>
165
166 <footer class="bg-gray-800 text-center p-10">
167
168 <div class="text-white">Made with ❤️ by Muhammad Ryan Fikri Fakhrezi with 10122114 as the NIM</div>
169 </footer>
170
171 <script src="/public/script/script.js"></script>
172 </body>
173 </html>

```

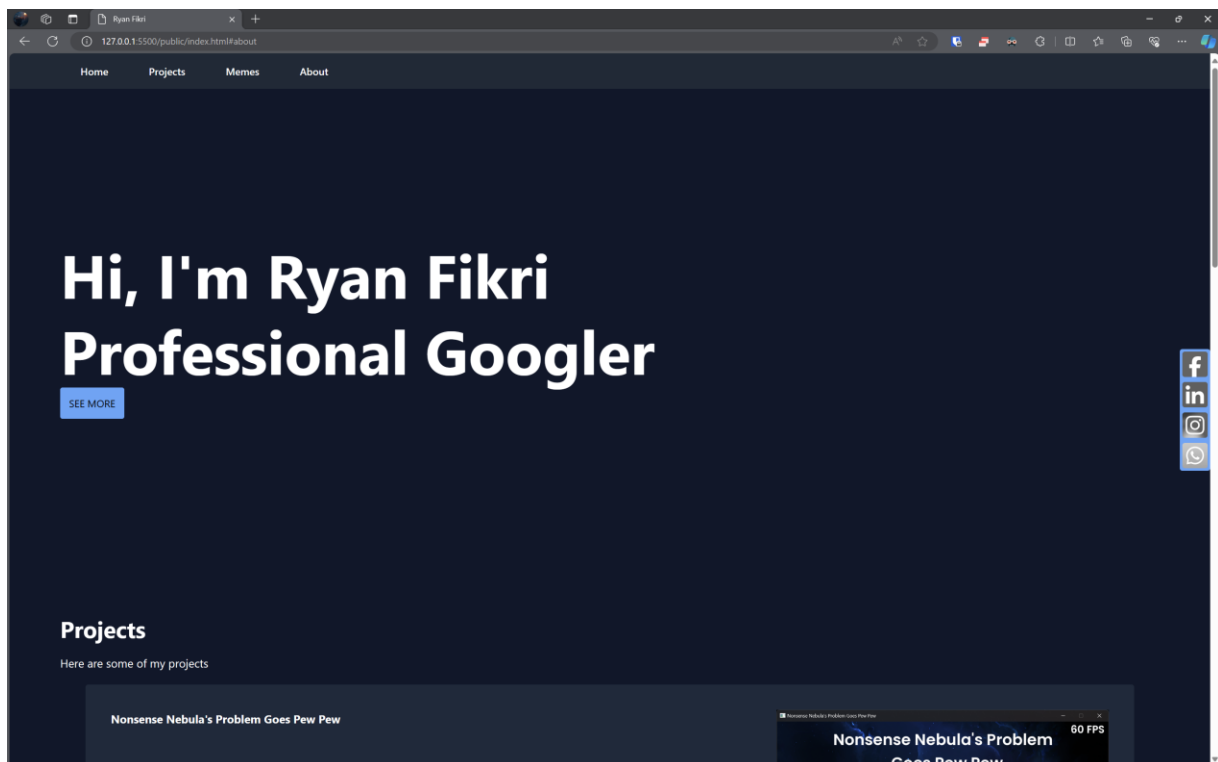
b. Script.js

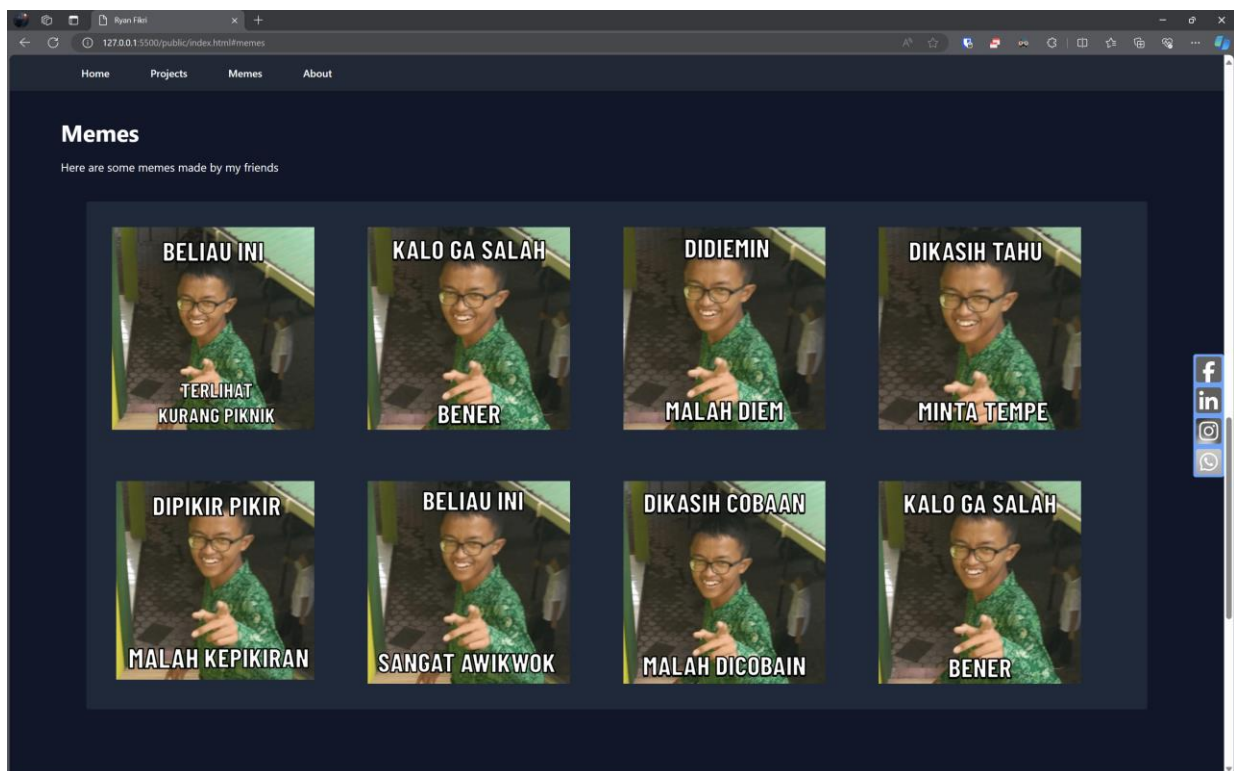
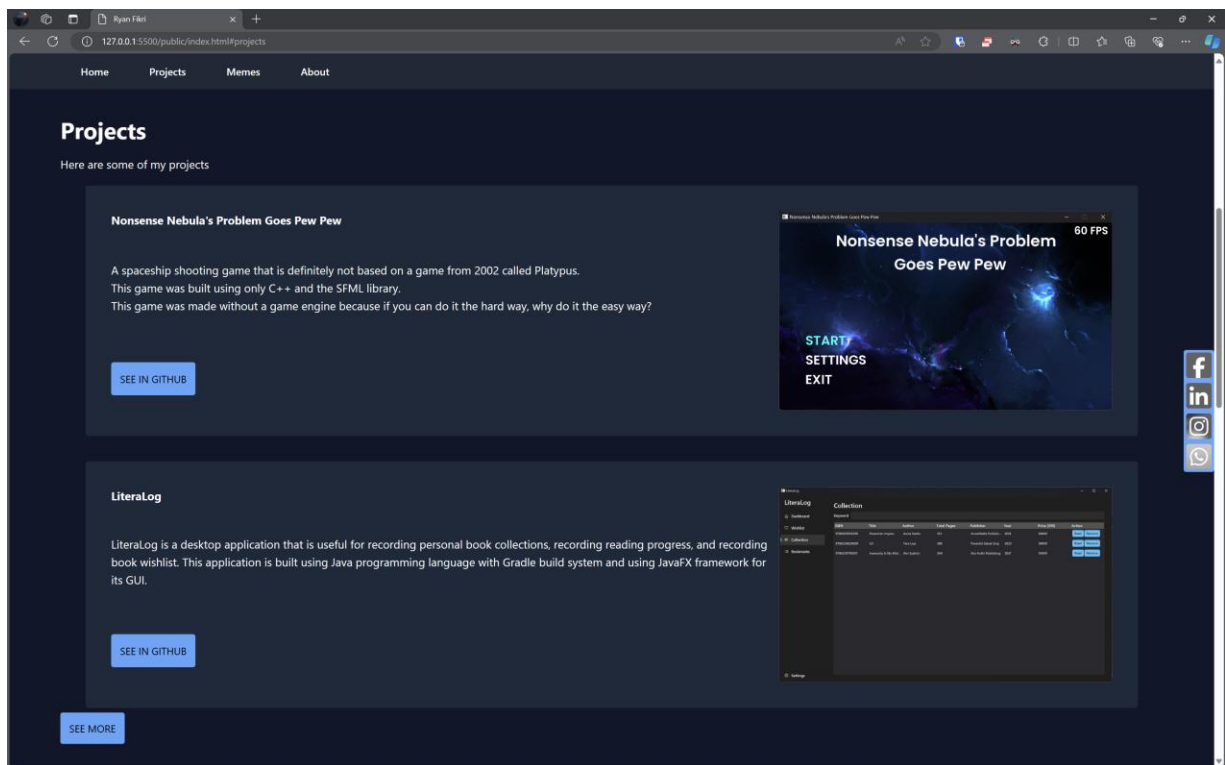
```

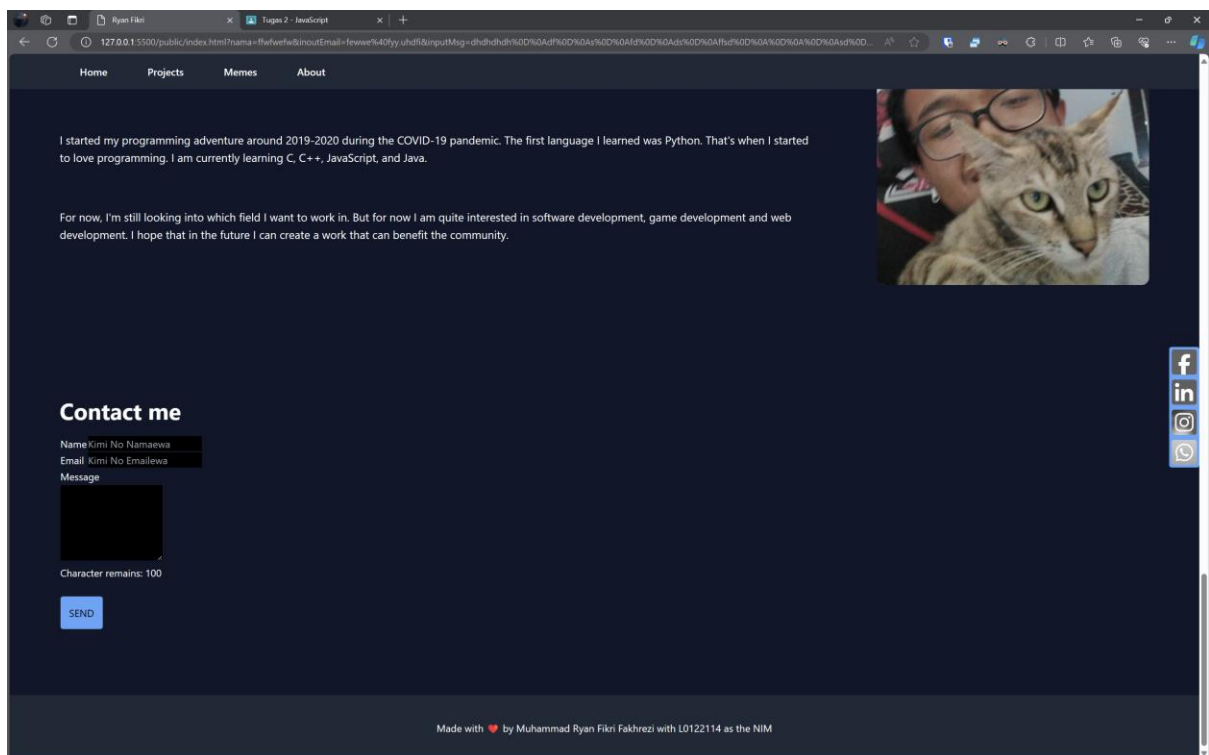
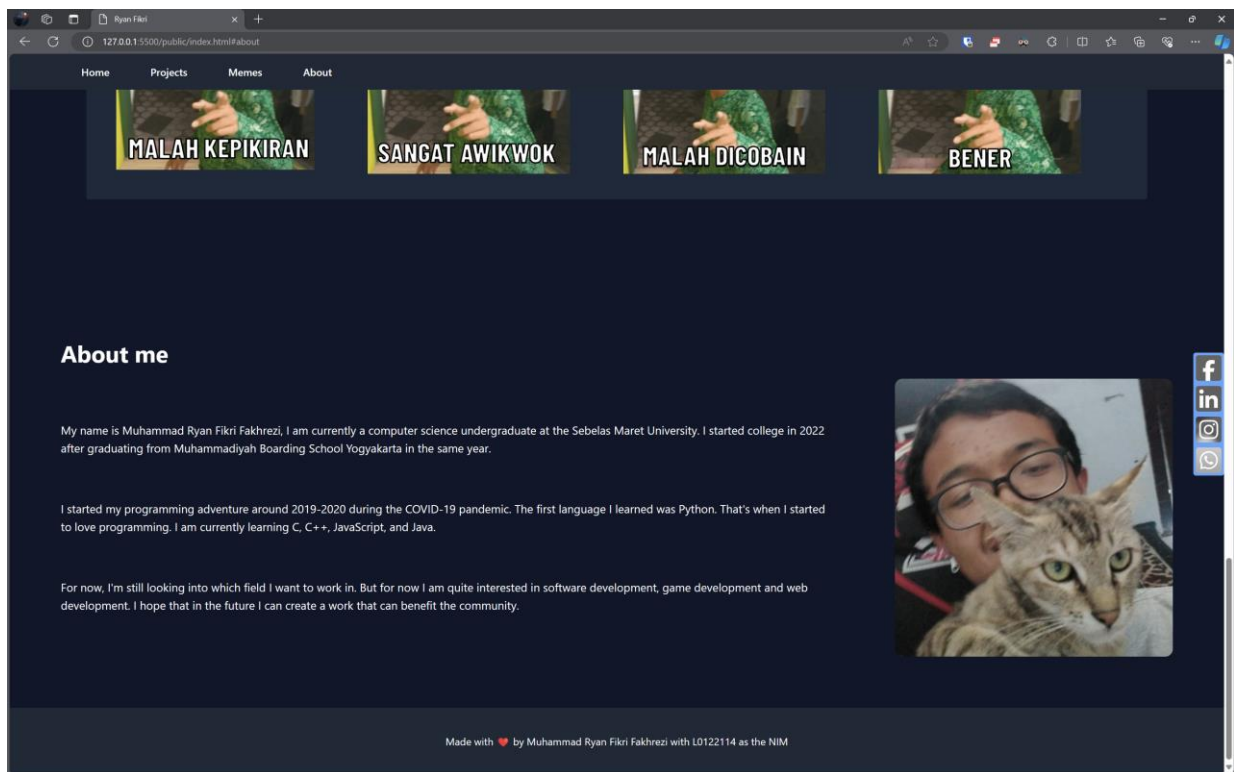
public > script > JS script.js > ...
1  document.addEventListener('DOMContentLoaded', function () {
2      const inputMaxLengthOnLoad = document.getElementById('inputMsg').maxLength;
3      document.getElementById('sisakarakter').innerText = inputMaxLengthOnLoad;
4
5      document.getElementById('inputMsg').addEventListener('input', function () {
6          const jumlahKarakterDiketik = document.getElementById('inputMsg').value.length;
7          const jumlahKarakterMaksimal = document.getElementById('inputMsg').maxLength;
8
9          const sisaKarakterUpdate = jumlahKarakterMaksimal - jumlahKarakterDiketik;
10         document.getElementById('sisakarakter').innerText = sisaKarakterUpdate.toString();
11
12         if (sisaKarakterUpdate === 0) {
13             document.getElementById('sisakarakter').innerText = 'Batas maksimal tercapai!';
14         } else if (sisaKarakterUpdate <= 5) {
15             document.getElementById('notifikasiSisaKarakter').style.color = 'red';
16         } else {
17             document.getElementById('notifikasiSisaKarakter').style.color = 'white';
18         }
19     });
20
21     document.getElementById('inputMsg').addEventListener('focus', function () {
22         document.getElementById('notifikasiSisaKarakter').style.visibility = 'visible';
23     });
24
25     document.getElementById('inputMsg').addEventListener('blur', function () {
26         document.getElementById('notifikasiSisaKarakter').style.visibility = 'hidden';
27     });
28 });

```

c. Hasil website







Penjelasan

Pada article terakhir dengan id contactMe, disitu terdapat 4 macam input, 2 dengan type text, 1 text area, dan 1 submit. Pada text area telah diberi event listener yang mana jika text area mendapatkan event focus maka notifikasiSisaKarakter akan memiliki visibility visible, dan jika text area mendapatkan event blur maka notifikasiSisaKarakter akan memiliki visibility hidden. Jika text area mendapatkan event input, maka nilai span didalam

notifikasiSisaKarakter dengan id sisaKarakter akan berubah menjadi nilai maxLength-value.length.