

LAPORAN
PRAKTIKUM PEMROGRAMAN
WEB LANJUT
Pertemuan - 1



Disusun Oleh :

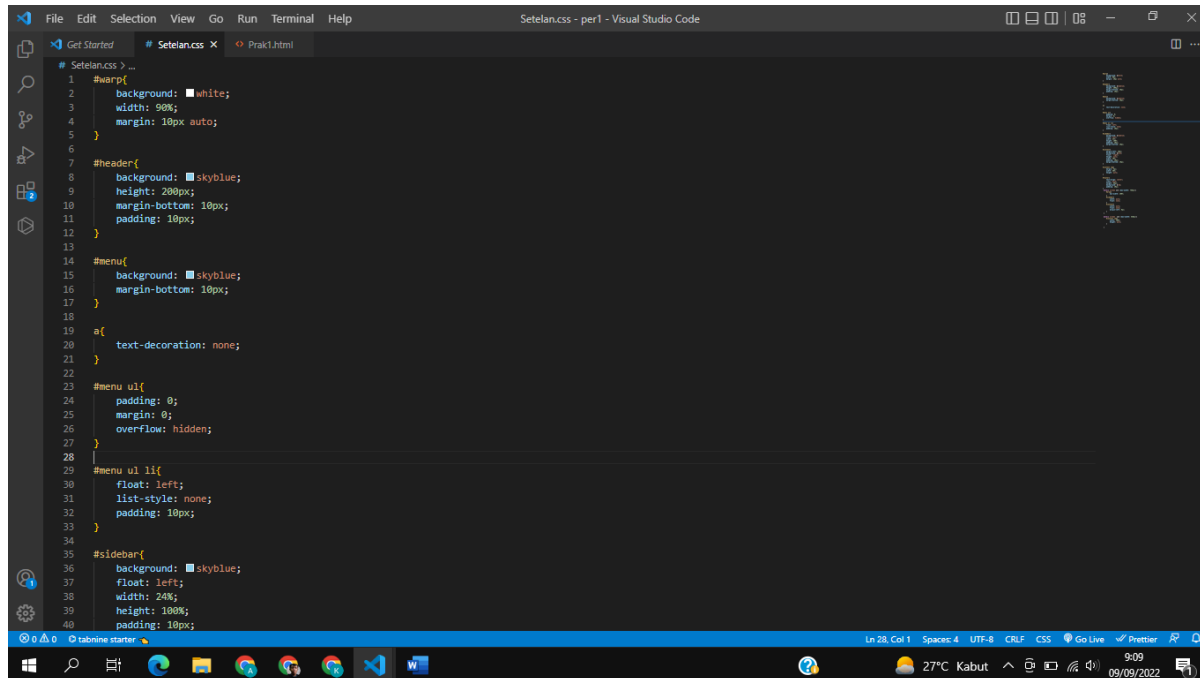
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NIM : 203110018
PRODI : Rekayasa Perangkat Lunak Aplikasi
JENJANG : D3

UNIVERSITAS TEKNOLOGI
DIGITAL INDONESIA

2022

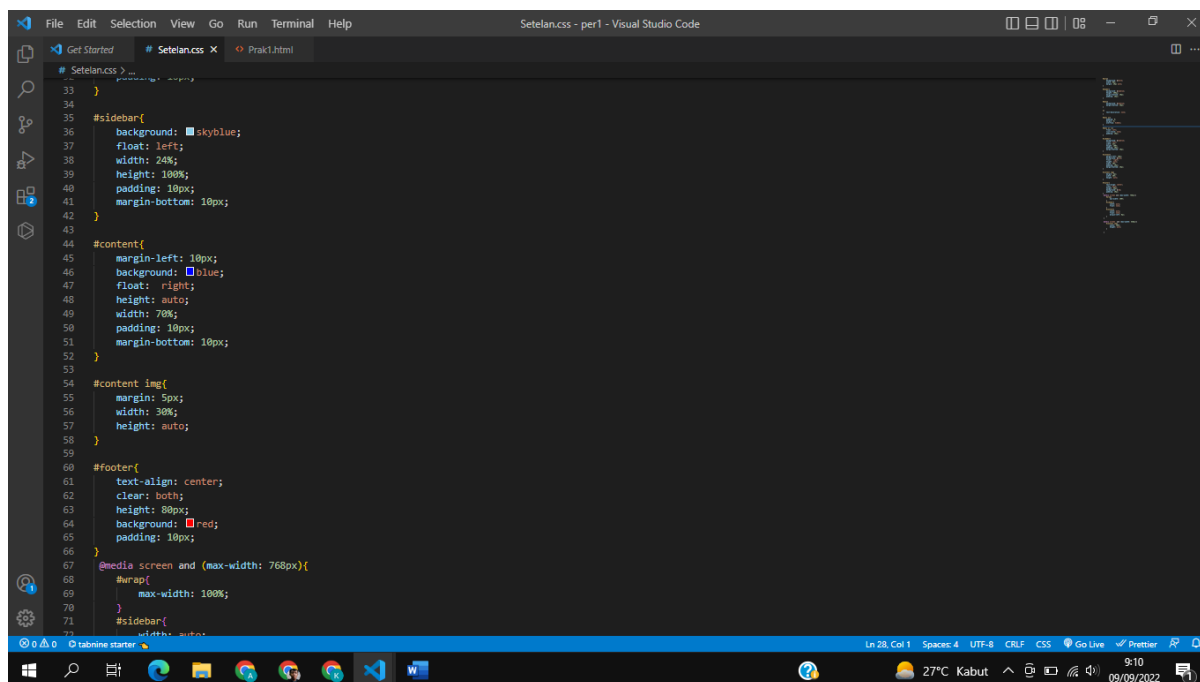
A. Praktik

1. Buatlah sebuah file Style CSS berikut dan simpan dengan nama “Setelan.css”



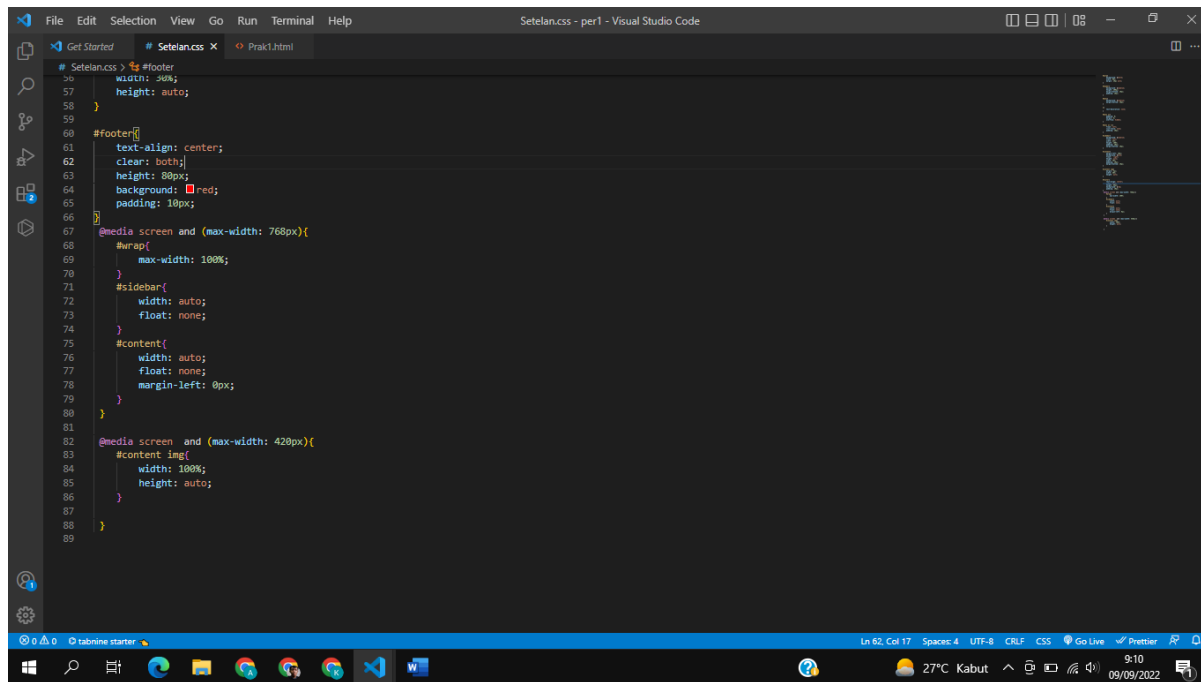
This screenshot shows the first 40 lines of the 'Setelan.css' file in Visual Studio Code. The code defines styles for a wrapper, header, menu, and sidebar.

```
# Setelan.css > ...
1  #wrap{
2      background: #white;
3      width: 90%;
4      margin: 10px auto;
5  }
6
7  #header{
8      background: #skyblue;
9      height: 200px;
10     margin-bottom: 10px;
11     padding: 10px;
12 }
13
14 #menu{
15     background: #skyblue;
16     margin-bottom: 10px;
17 }
18
19 a{
20     text-decoration: none;
21 }
22
23 #menu ul{
24     padding: 0;
25     margin: 0;
26     overflow: hidden;
27 }
28
29 #menu ul li{
30     float: left;
31     list-style: none;
32     padding: 10px;
33 }
34
35 #sidebar{
36     background: #skyblue;
37     float: left;
38     width: 24%;
39     height: 100%;
40     padding: 10px;
```



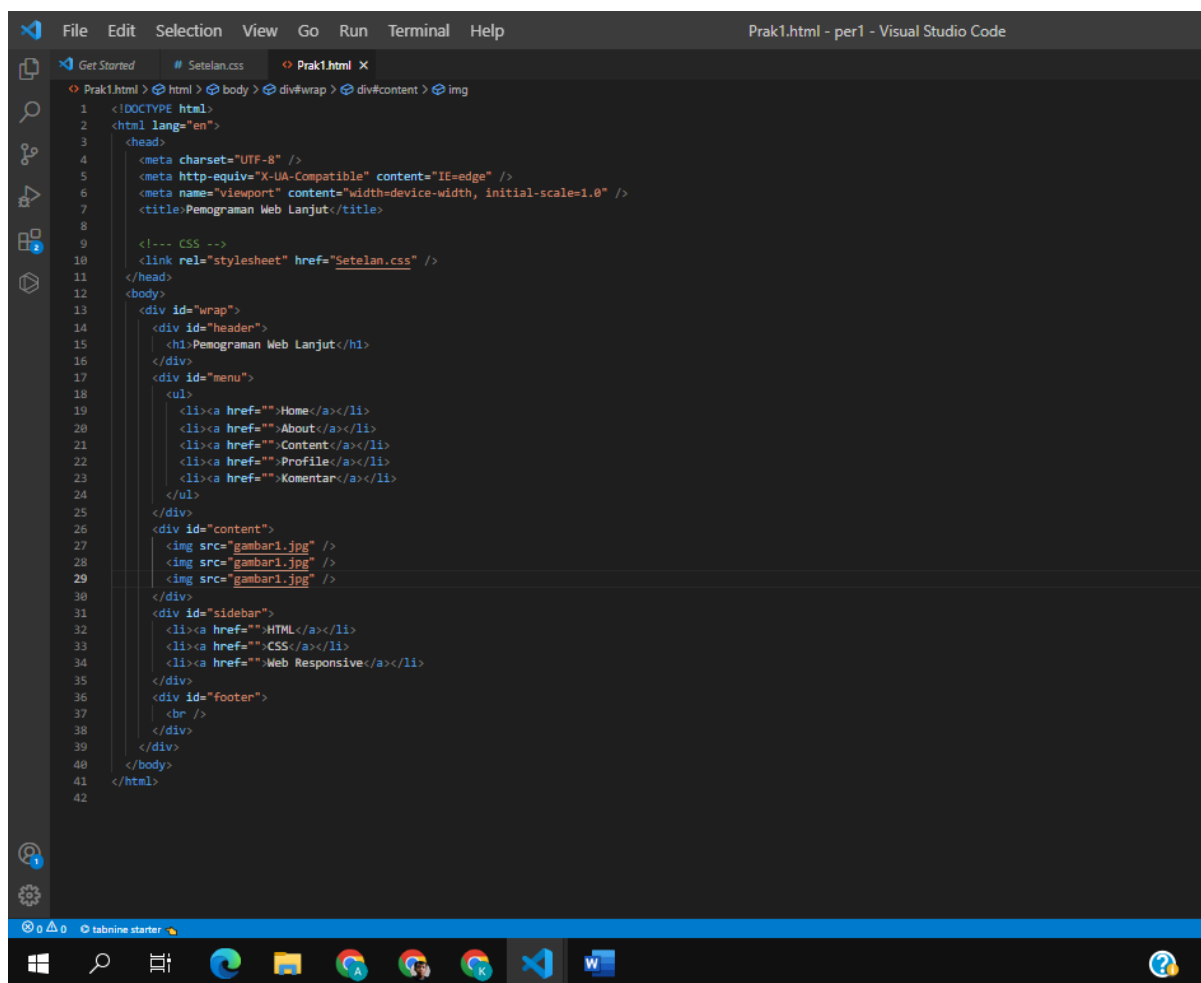
This screenshot shows the continuation of the 'Setelan.css' file, lines 33 to 71. It defines styles for the content area, a content image, a footer, and a media query for screen widths.

```
33 }
34
35 #sidebar{
36     background: #skyblue;
37     float: left;
38     width: 24%;
39     height: 100%;
40     padding: 10px;
41     margin-bottom: 10px;
42 }
43
44 #content{
45     margin-left: 10px;
46     background: #blue;
47     float: right;
48     height: auto;
49     width: 70%;
50     padding: 10px;
51     margin-bottom: 10px;
52 }
53
54 #content img{
55     margin: 5px;
56     width: 30%;
57     height: auto;
58 }
59
60 #footer{
61     text-align: center;
62     clear: both;
63     height: 80px;
64     background: #red;
65     padding: 10px;
66 }
67 @media screen and (max-width: 768px){
68     #wrap{
69         max-width: 100%;
70     }
71     #sidebar{
```

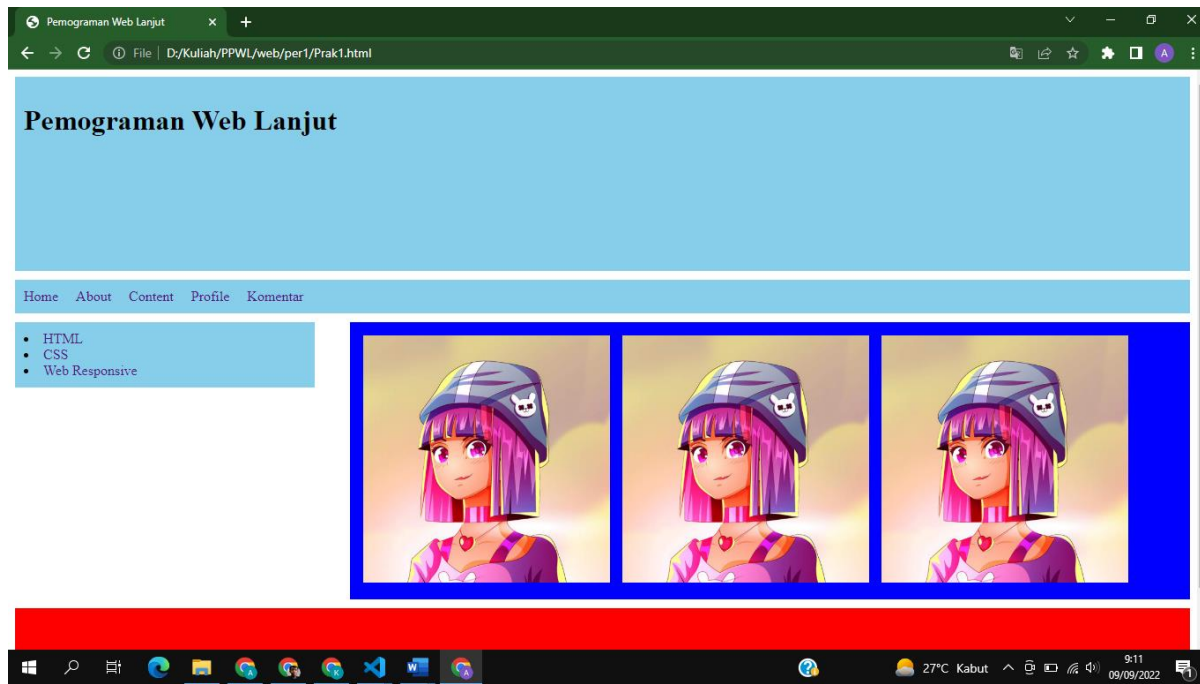


```
# Setelan.css > #footer
56 width: 50%;
57 height: auto;
58 }
59
60 #footer{
61 text-align: center;
62 clear: both;
63 height: 80px;
64 background: red;
65 padding: 10px;
66 }
67
68 @media screen and (max-width: 768px){
69 #wrap{
70 max-width: 100%;
71 }
72 #sidebar{
73 width: auto;
74 float: none;
75 }
76 #content{
77 width: auto;
78 float: none;
79 margin-left: 0px;
80 }
81 }
82
83 @media screen and (max-width: 420px){
84 #content img{
85 width: 100%;
86 height: auto;
87 }
88 }
89 }
```

2. Buatlah struktur file HTML dan simpan dengan nama “Prak1.html”. Siapkan bebrapa buah file gambar yang akan ditampilkan pada bagian content



```
Prak1.html > html > body > div#wrap > div#content > img
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7 <title>Penograman Web Lanjut</title>
8
9 <!-- CSS -->
10 <link rel="stylesheet" href="Setelan.css" />
11 </head>
12 <body>
13 <div id="wrap">
14 <div id="header">
15 <h1>Penograman Web Lanjut</h1>
16 </div>
17 <div id="menu">
18 <ul>
19 <li><a href="">Home</a></li>
20 <li><a href="">About</a></li>
21 <li><a href="">Content</a></li>
22 <li><a href="">Profile</a></li>
23 <li><a href="">Komentar</a></li>
24 </ul>
25 </div>
26 <div id="content">
27 
28 
29 
30 </div>
31 <div id="sidebar">
32 <li><a href="">HTML</a></li>
33 <li><a href="">CSS</a></li>
34 <li><a href="">Web Responsive</a></li>
35 </div>
36 <div id="footer">
37 <br />
38 </div>
39 </div>
40 </body>
41 </html>
42
```

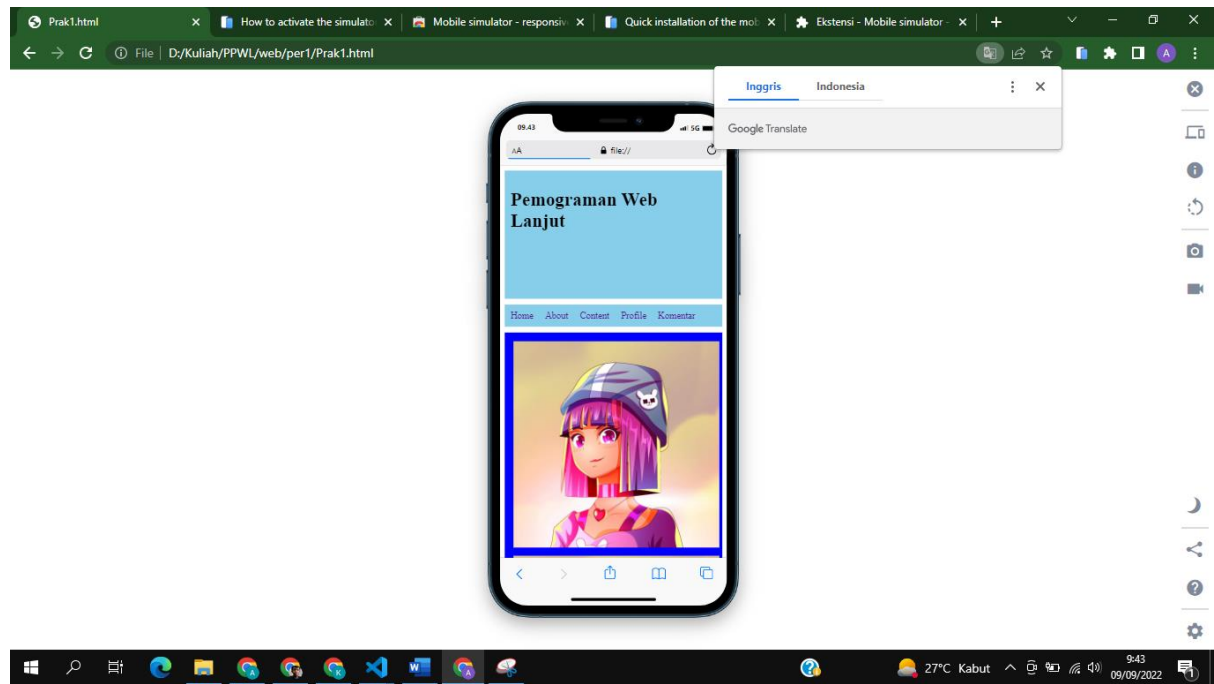


Penjelasan :

Pada programan daiatas, membuat 4 section, yaitu bagian header, content, sidebar, dan footer. Kemudian di style menggunakan file Setelan.css tadi. Terlihat tampilan awal.

3. Saat anda mengeksekusi file Prak1.html, ubahlah ukuran browser dan perhatikan tampilan web yang anda buat. Jelaskan pada laporan



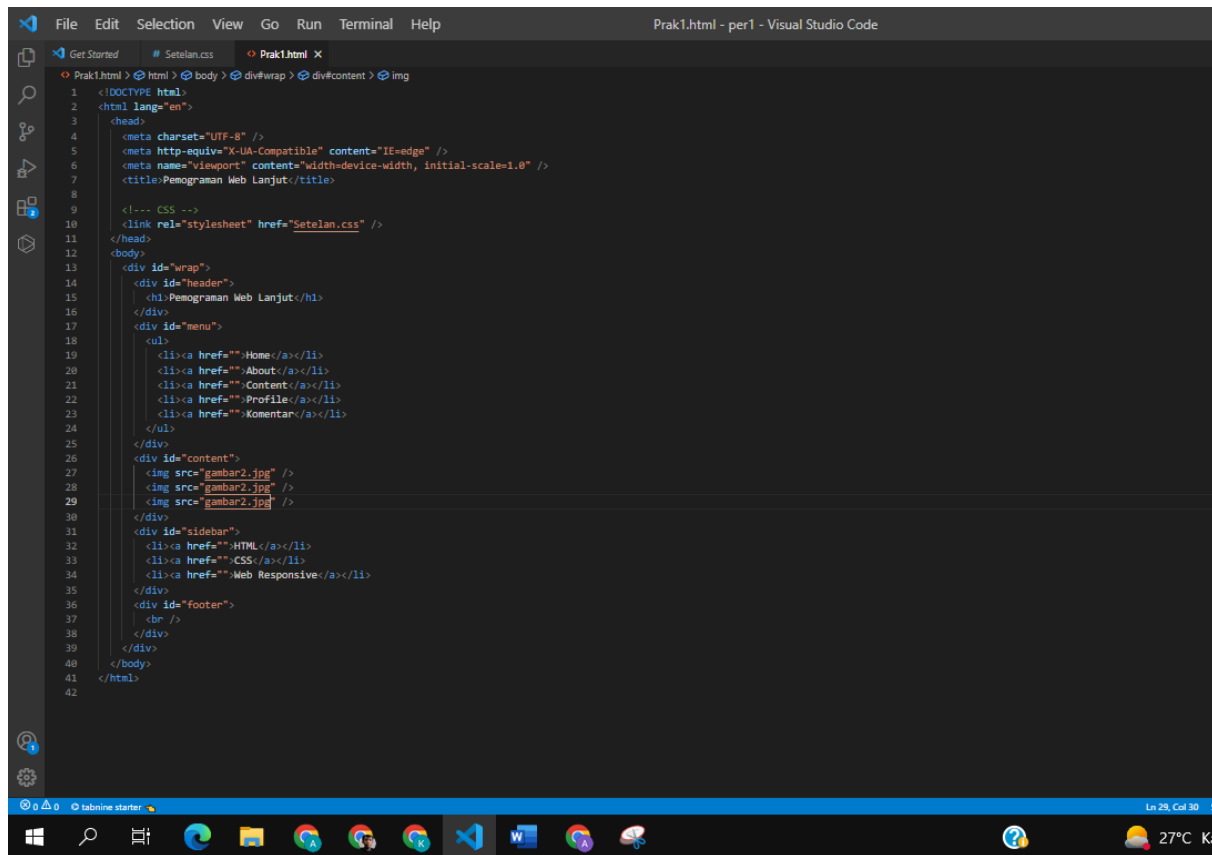


Penjelasan :

Mendefinisikan Meta Tag Viewport terlebih dahulu. Dikembangkan ukuran diubah menjadi ukuran dibawah ukuran kurang dari 768px maka akan terjadi perubahan layout dimana section sidebar dan content menjadi 1 atau kebawah, dan pada tag dengan id wrap max width menjadi 100% . Dan pada ukuran kurang dari 420px yang saya tampilkan dengan tampilan mobile yang mana saya peroleh dari ekstensi chrome yaitu mobile simulator , terlihat gambar menjadi ukuran utuh dan responsive.

4. Ubahlah tampilan web yang sudah anda kerjakan dengan mengganti warna, gambar dan mengganti.

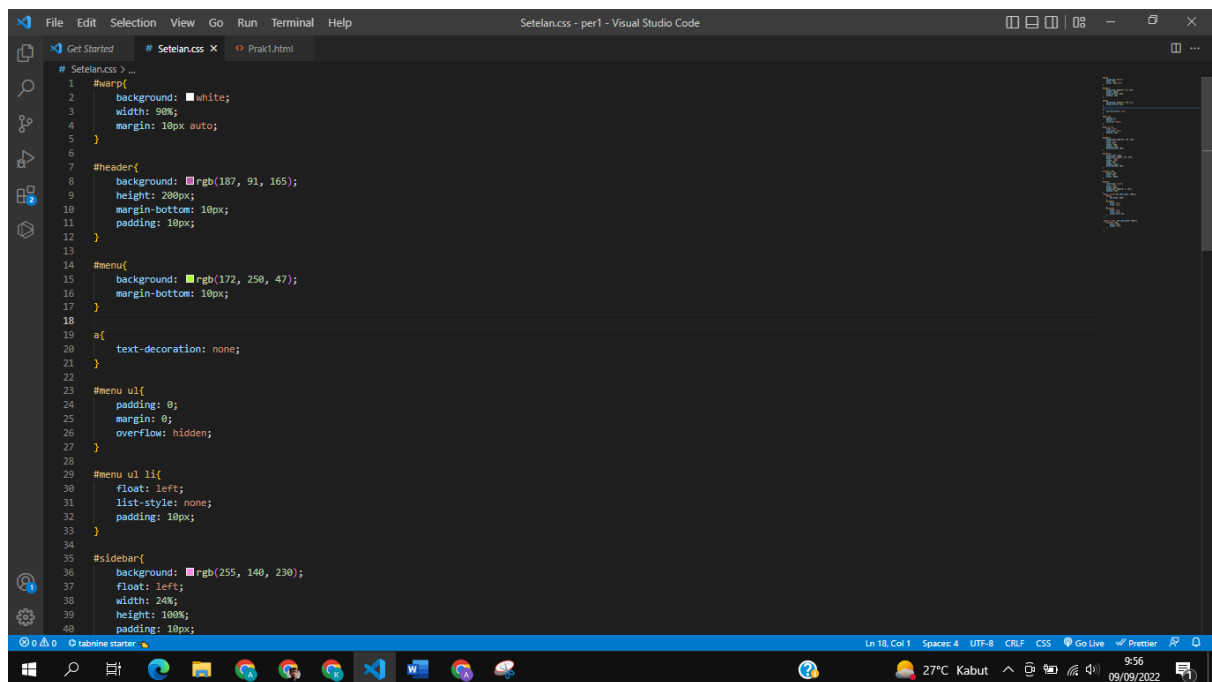
Html :



The screenshot shows the Visual Studio Code editor with the file 'Prak1.html' open. The code is an HTML document with the following structure:

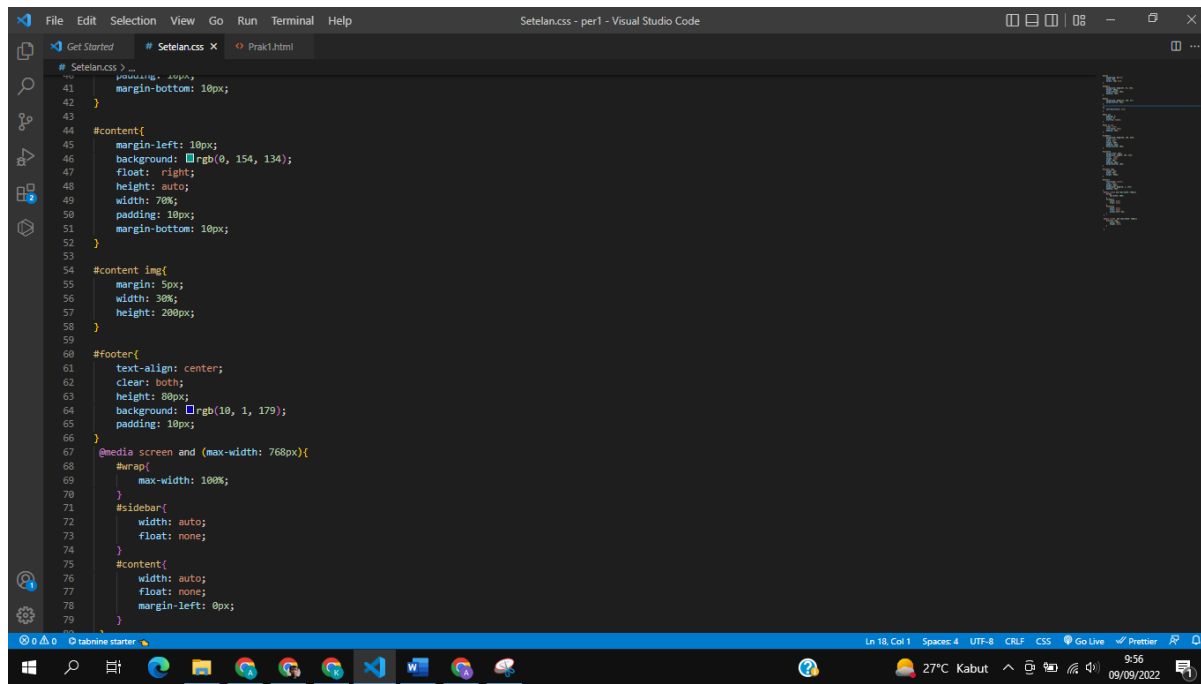
```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7     <title>Pemograman Web Lanjut</title>
8   </head>
9   <!-- CSS -->
10  <link rel="stylesheet" href="Setelan.css" />
11 </head>
12 <body>
13   <div id="wrap">
14     <div id="header">
15       <h1>Pemograman Web Lanjut</h1>
16     </div>
17     <div id="menu">
18       <ul>
19         <li><a href="">Home</a></li>
20         <li><a href="">About</a></li>
21         <li><a href="">Content</a></li>
22         <li><a href="">Profile</a></li>
23         <li><a href="">Komentar</a></li>
24       </ul>
25     </div>
26     <div id="content">
27       
28       
29       
30     </div>
31     <div id="sidebar">
32       <li><a href="">HTML</a></li>
33       <li><a href="">CSS</a></li>
34       <li><a href="">Web Responsive</a></li>
35     </div>
36     <div id="footer">
37       <hr />
38     </div>
39   </div>
40 </body>
41 </html>
```

Css :

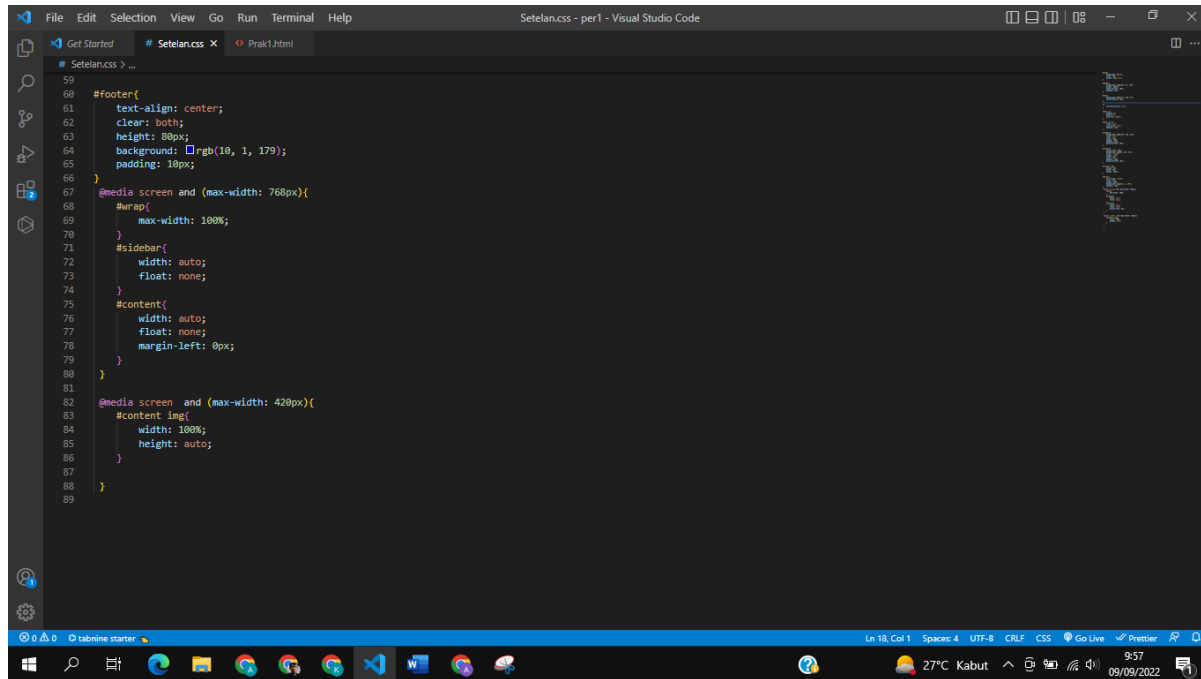


The screenshot shows the Visual Studio Code editor with the file 'Setelan.css' open. The code defines the following CSS rules:

```
1 #wrap{
2   background: white;
3   width: 90%;
4   margin: 10px auto;
5 }
6
7 #header{
8   background: rgb(187, 91, 165);
9   height: 200px;
10  margin-bottom: 10px;
11  padding: 10px;
12 }
13
14 #menu{
15   background: rgb(172, 250, 47);
16   margin-bottom: 10px;
17 }
18
19 a{
20   text-decoration: none;
21 }
22
23 #menu ul{
24   padding: 0;
25   margin: 0;
26   overflow: hidden;
27 }
28
29 #menu ul li{
30   float: left;
31   list-style: none;
32   padding: 10px;
33 }
34
35 #sidebar{
36   background: rgb(255, 140, 230);
37   float: left;
38   width: 24%;
39   height: 100%;
40   padding: 10px;
```

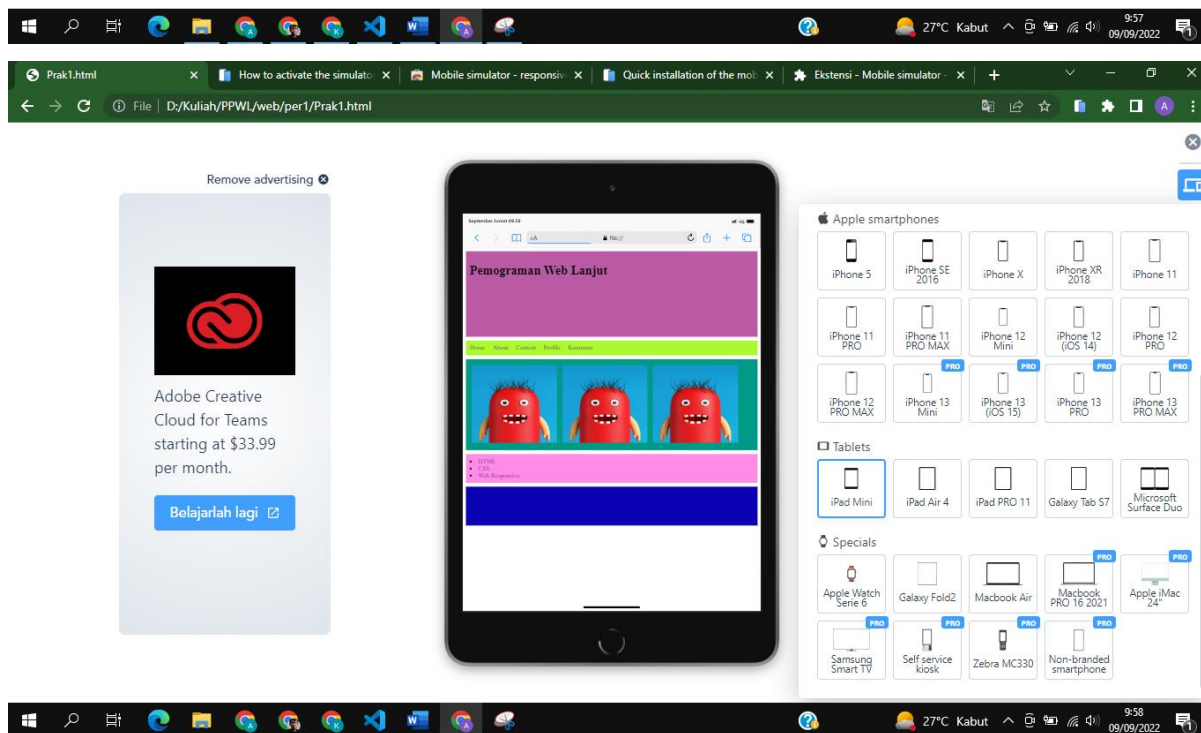
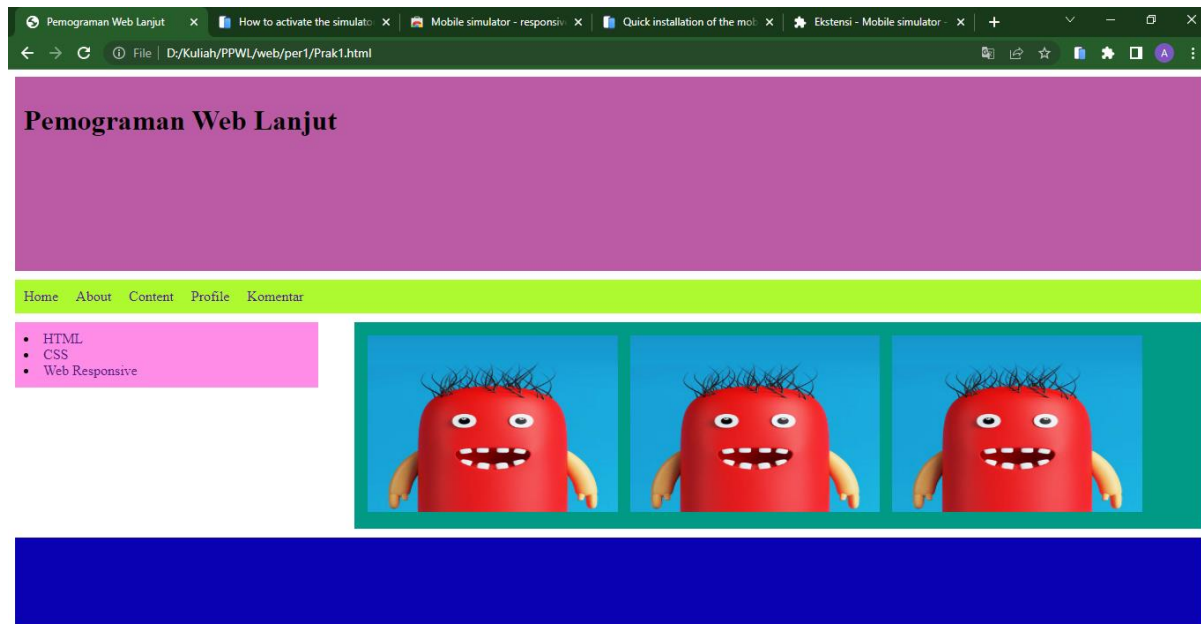


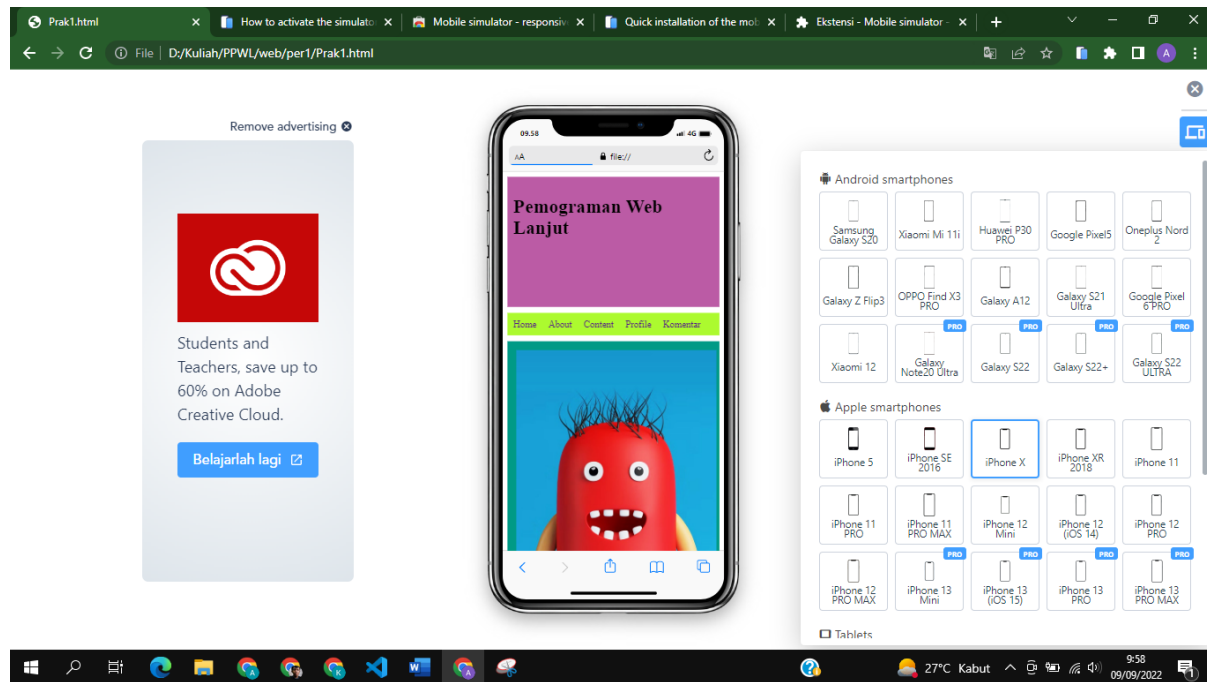
```
# Setelan.css > ...
41     padding-left: 10px;
42     margin-bottom: 10px;
43 }
44
45 #content{
46     margin-left: 10px;
47     background: #000080;
48     float: right;
49     height: auto;
50     width: 70%;
51     padding: 10px;
52     margin-bottom: 10px;
53 }
54
55 #content img{
56     margin: 5px;
57     width: 30%;
58     height: 200px;
59 }
60
61 #footer{
62     text-align: center;
63     clear: both;
64     height: 80px;
65     background: #000080;
66     padding: 10px;
67 }
68 @media screen and (max-width: 768px){
69     #wrap{
70         max-width: 100%;
71     }
72     #sidebar{
73         width: auto;
74         float: none;
75     }
76     #content{
77         width: auto;
78         float: none;
79         margin-left: 0px;
80     }
81 }
82
83 @media screen and (max-width: 420px){
84     #content img{
85         width: 100%;
86         height: auto;
87     }
88 }
89 }
```



```
# Setelan.css > ...
59
60 #footer{
61     text-align: center;
62     clear: both;
63     height: 80px;
64     background: #000080;
65     padding: 10px;
66 }
67
68 @media screen and (max-width: 768px){
69     #wrap{
70         max-width: 100%;
71     }
72     #sidebar{
73         width: auto;
74         float: none;
75     }
76     #content{
77         width: auto;
78         float: none;
79         margin-left: 0px;
80     }
81 }
82
83 @media screen and (max-width: 420px){
84     #content img{
85         width: 100%;
86         height: auto;
87     }
88 }
89 }
```

Hasil :





Penjelasan :

Saya menggunakan gambar2.jpg dan mengubah background setiap section.

B. Latihan

1. Buatlah web profile sederhana yang membuat info detail diri anda menggunakan konsep web responsive

Html :

```
index.html - Tentang diri - Visual Studio Code
index.html X
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Document</title>
8
9   <!-- Icon -->
10  <link href="https://unpkg.com/boxicons@2.0.9/css/boxicons.min.css" rel="stylesheet">
11  <!-- css -->
12  <link rel="stylesheet" href="css/styles.css">
13 </head>
14 <body>
15   <!-- Header -->
16   <header class="header-1">
17     <nav class="nav bd-grid">
18       <div>
19         <a href="" class="nav_logo">ARDIKUN</a>
20       </div>
21       <div class="nav_menu" id="nav_menu">
22         <ul class="nav_list">
23           <li class="nav_item"><a href="#home" class="nav_link active" id="home">Home</a></li>
24           <li class="nav_item"><a href="#features" class="nav_link" id="feat">Portfolio</a></li>
25           <li class="nav_item"><a href="#view" class="nav_link" id="Contact">Contact</a></li>
26         </ul>
27       </div>
28       <div id="nav_toggle">
29         <i class="bx bx-menu nav_toggle"></i>
30       </div>
31     </nav>
32   </header>
33   <main class="main-1">
34     <!-- Home -->
35     <section class="home" id="home">
36       <div class="home_container bd-grid">
37         <div class="home_data">
38           <div class="home_title">
39             <h2 class="home_title_big">Ardi Dwi <br> <span>Wibowo</span></h2>
40             <p class="home_title_small">Saya tertarik pada progaming sejak sekolah disekolah kejuruan dan mempelajarinya. Selain itu mempelajari desain grafik. Saya pern
```

```
index.html - Tentang diri - Visual Studio Code
index.html X
28 </div>
29 <div id="nav_toggle">
30   <i class="bx bx-menu nav_toggle"></i>
31 </div>
32 </nav>
33 </header>
34 <main class="main-1">
35   <!-- Home -->
36   <section class="home" id="home">
37     <div class="home_container bd-grid">
38       <div class="home_data">
39         <div class="home_title">
40           <h2 class="home_title_big">Ardi Dwi <br> <span>Wibowo</span></h2>
41           <p class="home_title_small">Saya tertarik pada progaming sejak sekolah disekolah kejuruan dan mempelajarinya. Selain itu mepela
42         </div>
43         <a href="" class="home_button">CONTACT ME</a>
44       </div>
45     </div>
46     <div class="home_hero">
47       
48     </div>
49   </section>
50 </main>
51 <!-- Js -->
52 <script src="main.js"></script>
53 </body>
54 </html>
```

Css :

```
File Edit Selection View Go Run Terminal Help styles.css - Tentang diri - Visual Studio Code

css > # styles.css > {} @media screen and (min-width: 576px)
1 @import url('https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;600;700&display=swap');
2 :root{
3   --header-height: 3rem;
4   --font-semi: 600;
5   --font-bold: 700;
6 }
7 /*color*/
8 :root{
9   --first-color: #098A87;
10  --background-color: #282A37;
11  --white-color: #fafaFa;
12 }
13
14
15 /*font*/
16 :root{
17   --body-font: 'Open Sans', sans-serif;
18   --biggest-font-size: 3rem;
19   --big-font-size: 1.5rem;
20   --h2-font-size: 1.25rem;
21   --normal-font-size: .938rem;
22   --small-font-size: .75rem;
23 }
24
25 @media screen and (min-width: 968px){
26   :root{
27     --biggest-font-size: 3.5rem;
28     --big-font-size: 2rem;
29     --h2-font-size: 1.5rem;
30     --normal-font-size: 1rem;
31     --small-font-size: .813rem;
32   }
33 }
34
35 /*Margin*/
36 :root{
37   --mb-1: .5rem;
38   --mb-2: 1rem;
39   --mb-3: 1.5rem;
40   --mb-4: 2rem;
41   --mb-5: 2.5rem;
42 }
43
44
45
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56
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```

```
File Edit Selection View Go Run Terminal Help styles.css - Tentang diri - Visual Studio Code

css > # styles.css > {} @media screen and (min-width: 576px)
35 :root{
36   --mb-1: .5rem;
37   --mb-2: 1rem;
38   --mb-3: 1.5rem;
39   --mb-4: 2rem;
40   --mb-5: 2.5rem;
41 }
42
43 /*Z-Index*/
44 :root{
45   --z-tooltip: 10;
46   --z-fixed: 10;
47 }
48
49 ::before, ::after{
50   box-sizing: border-box;
51 }
52
53 html{
54   scroll-behavior: smooth;
55 }
56
57 body{
58   margin: var(--header-height) 0 0 0;
59   font-family: var(--body-font);
60   font-size: var(--normal-font-size);
61   line-height: 1.6;
62   background: #282A37;
63 }
64
65 h1, h2, p{
66   margin: 0;
67 }
68
69 ul{
70   margin: 0;
71   padding: 0;
72   list-style: none;
73 }
74
75 a{
76   text-decoration: none;
77   color: #fafaFa;
78 }
79
80 img{
81   max-width: 100%;
82 }
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
```

```
File Edit Selection View Go Run Terminal Help styles.css - Tentang diri - Visual Studio Code
index.html styles.css x
css > # styles.css > {} @media screen and (min-width: 576px)
72 }
73 img{
74   max-width: 100%;
75   height: auto;
76 }
77
78
79 /*Layout*/
80 .bd-grid{
81   padding: 20px;
82   max-width: 1028px;
83 }
84
85 .header-1{
86   width: 100%;
87   position: fixed;
88   top: 0;
89   left: 0;
90   z-index: var(--z-fixed);
91 }
92
93 /*Navigation*/
94 .nav{
95   display: flex;
96   justify-content: space-between;
97   align-items: center;
98   height: var(--header-height);
99   background: #282A37;
100 }
101 @media screen and (max-width: 968px){
102   .nav_menu{
103     position: fixed;
104     top: var(--header-height);
105     right: -100%;
106     width: 80%;
107     height: 100%;
108     padding: 2rem;
109     background: var(--white-color);
110     transition: .5s;
111   }
112 }
```

```
File Edit Selection View Go Run Terminal Help styles.css - Tentang diri - Visual Studio Code
index.html styles.css x
css > # styles.css > {} @media screen and (min-width: 576px)
91
92 /*Navigation*/
93 .nav{
94   display: flex;
95   justify-content: space-between;
96   align-items: center;
97   height: var(--header-height);
98   background: #282A37;
99 }
100 @media screen and (max-width: 968px){
101   .nav_menu{
102     position: fixed;
103     top: var(--header-height);
104     right: -100%;
105     width: 80%;
106     height: 100%;
107     padding: 2rem;
108     background: var(--white-color);
109     transition: .5s;
110   }
111 }
112 .nav_item{
113   margin-bottom: var(--mb-4);
114 }
115
116 .nav_link: hover{
117   color: var(--first-color);
118 }
119 .nav_logo{
120   font-weight: var(--font-bold);
121 }
122 .nav_cart{
123   font-size: 1.5rem;
124   margin-right: var(--mb-2);
125 }
126 .nav_toggle{
127   font-size: 1.5rem;
128   cursor: pointer;
129 }
```

The screenshot shows the Visual Studio Code editor with the following CSS code in the `styles.css` file:

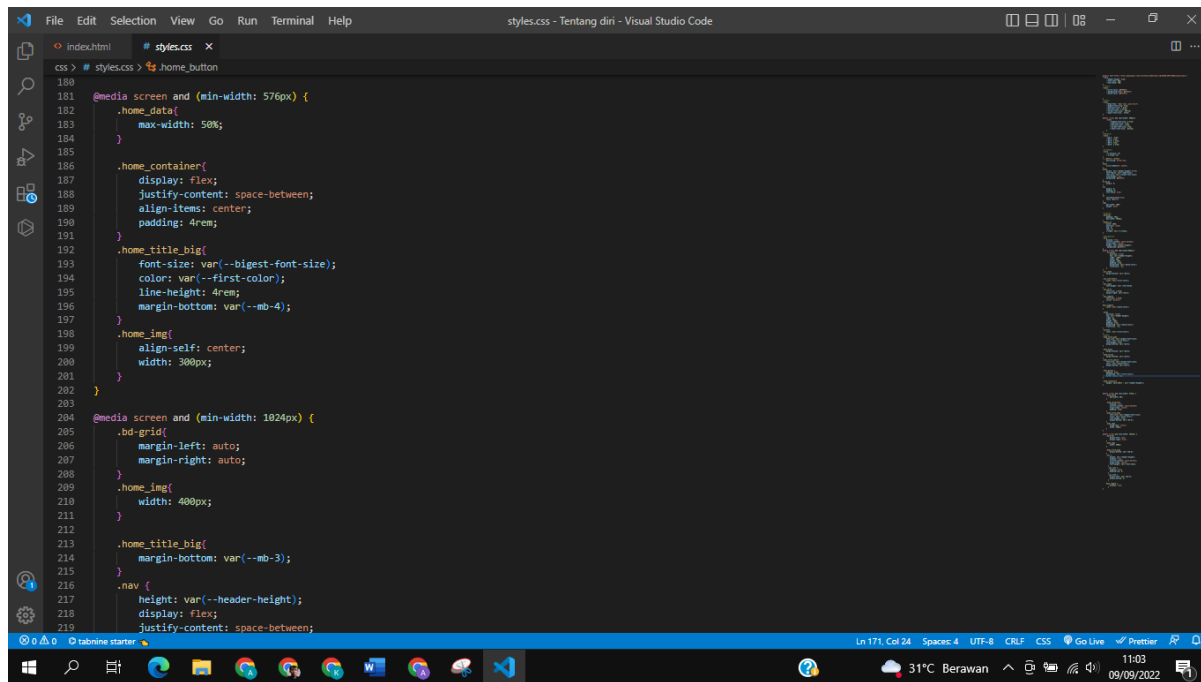
```
css > # styles.css > .home_title_big
125 margin-right: var(--mb-2);
126 }
127 .nav_toggle{
128   font-size: 1.5rem;
129   cursor: pointer;
130 }
131
132 #nav_toggle{
133   color: var(--white-color);
134 }
135
136 .show{
137   position: fixed;
138   top: var(--header-height);
139   right: 0;
140   width: 80%;
141   height: 100%;
142   padding: 2rem;
143   background: var(--dark-background-color);
144   transition: .5s;
145 }
146 .active{
147   color: var(--first-color);
148 }
149 /*home*/
150 .home_title_big{
151   font-size: var(--biggest-font-size);
152   color: var(--first-color);
153   line-height: 4rem;
154   margin-bottom: var(--mb-1);
155 }
156
157 .home_data{
158   margin-bottom: var(--mb-3);
159 }
160 .home_title{
161   margin-bottom: var(--mb-4);
162 }
163
164 .home_title_small{
165   font-size: var(--normal-font-size);
```

The Explorer sidebar on the left shows the project structure with files: `index.html`, `styles.css`, `main.js`, and `MasGanteng.png`. The status bar at the bottom indicates the cursor is at line 150, column 17.

The screenshot shows the Visual Studio Code editor with the following CSS code in the `styles.css` file:

```
css > # styles.css > {} @media screen and (min-width: 576px)
143 transition: .5s;
144 }
145 .active{
146   color: var(--first-color);
147 }
148 /*home*/
149 .home_title_big{
150   font-size: var(--biggest-font-size);
151   color: var(--first-color);
152   line-height: 4rem;
153   margin-bottom: var(--mb-4);
154 }
155
156 .home_data{
157   margin-bottom: var(--mb-3);
158 }
159 .home_title{
160   margin-bottom: var(--mb-4);
161 }
162 .home_title_small{
163   font-size: var(--normal-font-size);
164   color: var(--white-color);
165   margin-bottom: var(--mb-1);
166 }
167
168 .home_button {
169   padding: 1rem;
170   background: var(--first-color);
171   border-radius: 5px;
172 }
173
174 .home_container{
175   height: calc(100vh - var(--header-height));
176 }
177
178
179
180
181 @media screen and (min-width: 576px) {
182   .home_data{
```

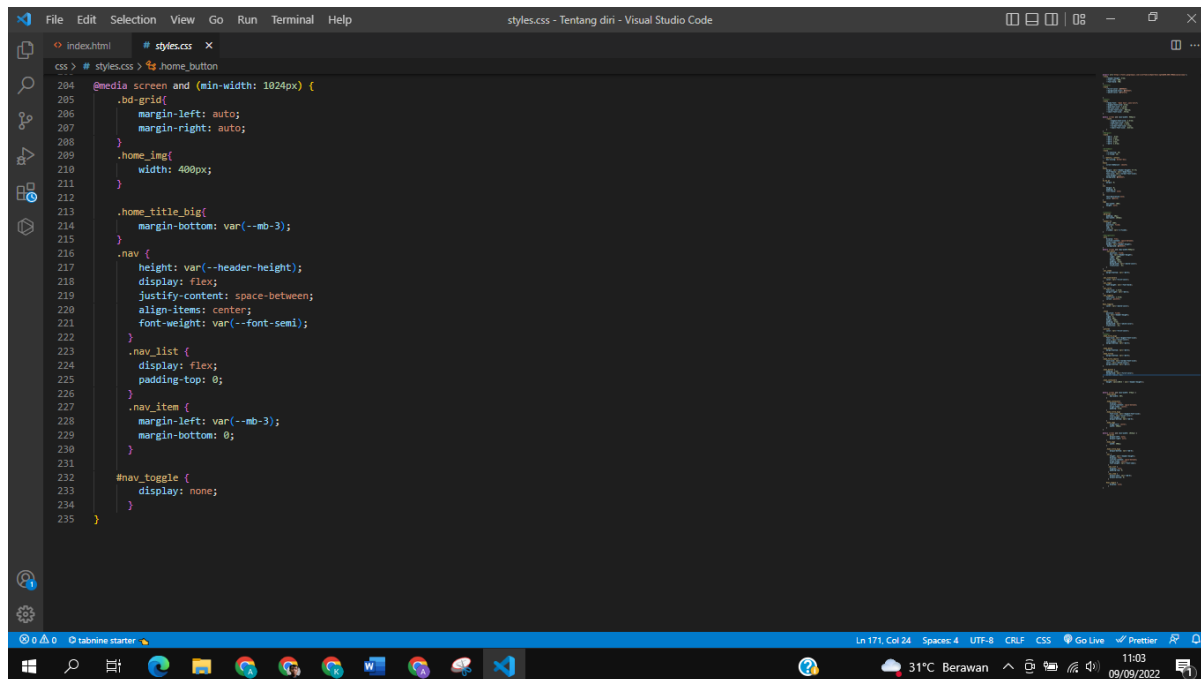
The Explorer sidebar on the left shows the project structure. The status bar at the bottom indicates the cursor is at line 181, column 36.



```
File Edit Selection View Go Run Terminal Help
styles.css - Tentang diri - Visual Studio Code

css > # styles.css > home_button

180
181 @media screen and (min-width: 576px) {
182   .home_data{
183     max-width: 50%;
184   }
185
186   .home_container{
187     display: flex;
188     justify-content: space-between;
189     align-items: center;
190     padding: 4rem;
191   }
192   .home_title_big{
193     font-size: var(--biggest-font-size);
194     color: var(--first-color);
195     line-height: 4rem;
196     margin-bottom: var(--mb-4);
197   }
198   .home_img{
199     align-self: center;
200     width: 300px;
201   }
202 }
203
204 @media screen and (min-width: 1024px) {
205   .bd-grid{
206     margin-left: auto;
207     margin-right: auto;
208   }
209   .home_img{
210     width: 400px;
211   }
212
213   .home_title_big{
214     margin-bottom: var(--mb-3);
215   }
216   .nav {
217     height: var(--header-height);
218     display: flex;
219     justify-content: space-between;
220   }
221 }
```

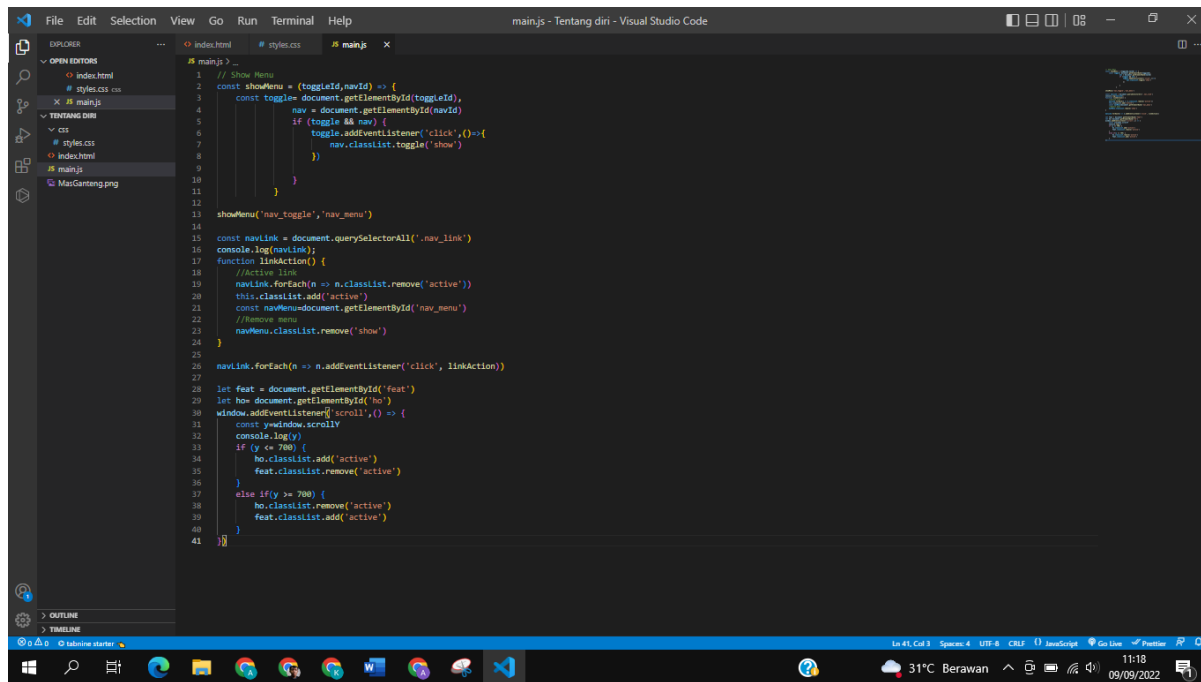


```
File Edit Selection View Go Run Terminal Help
styles.css - Tentang diri - Visual Studio Code

css > # styles.css > home_button

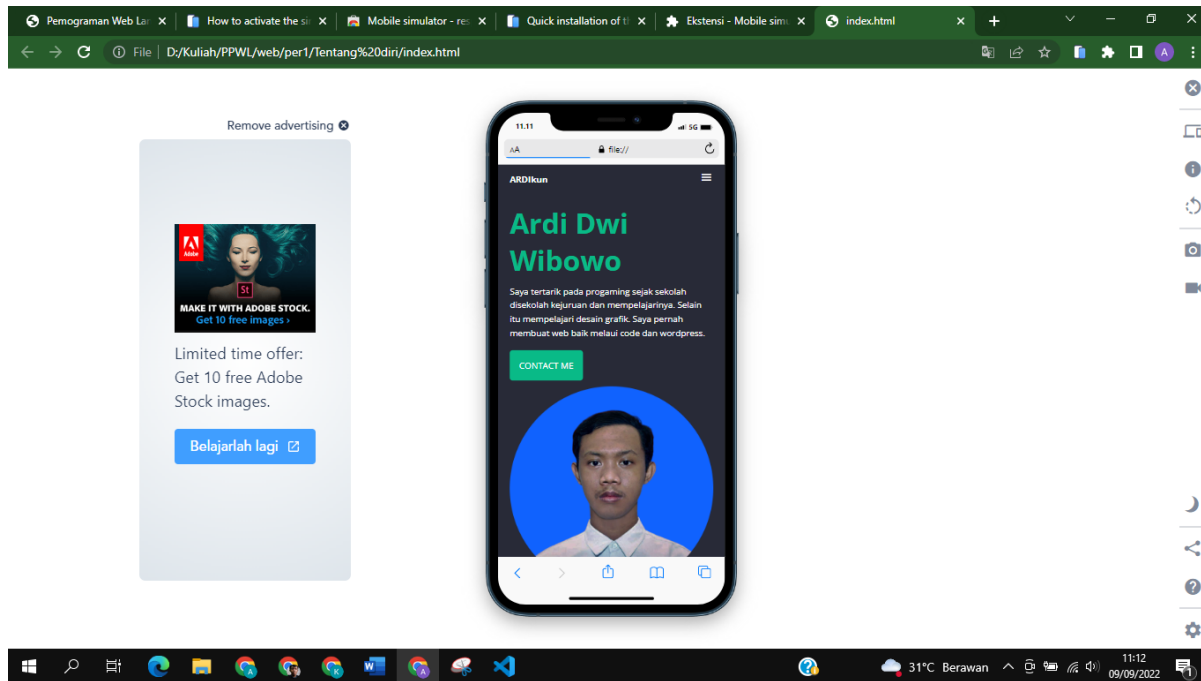
204 @media screen and (min-width: 1024px) {
205   .bd-grid{
206     margin-left: auto;
207     margin-right: auto;
208   }
209   .home_img{
210     width: 400px;
211   }
212
213   .home_title_big{
214     margin-bottom: var(--mb-3);
215   }
216   .nav {
217     height: var(--header-height);
218     display: flex;
219     justify-content: space-between;
220     align-items: center;
221     font-weight: var(--font-semi);
222   }
223   .nav_list {
224     display: flex;
225     padding-top: 0;
226   }
227   .nav_item {
228     margin-left: var(--mb-3);
229     margin-bottom: 0;
230   }
231
232   #nav_toggle {
233     display: none;
234   }
235 }
```

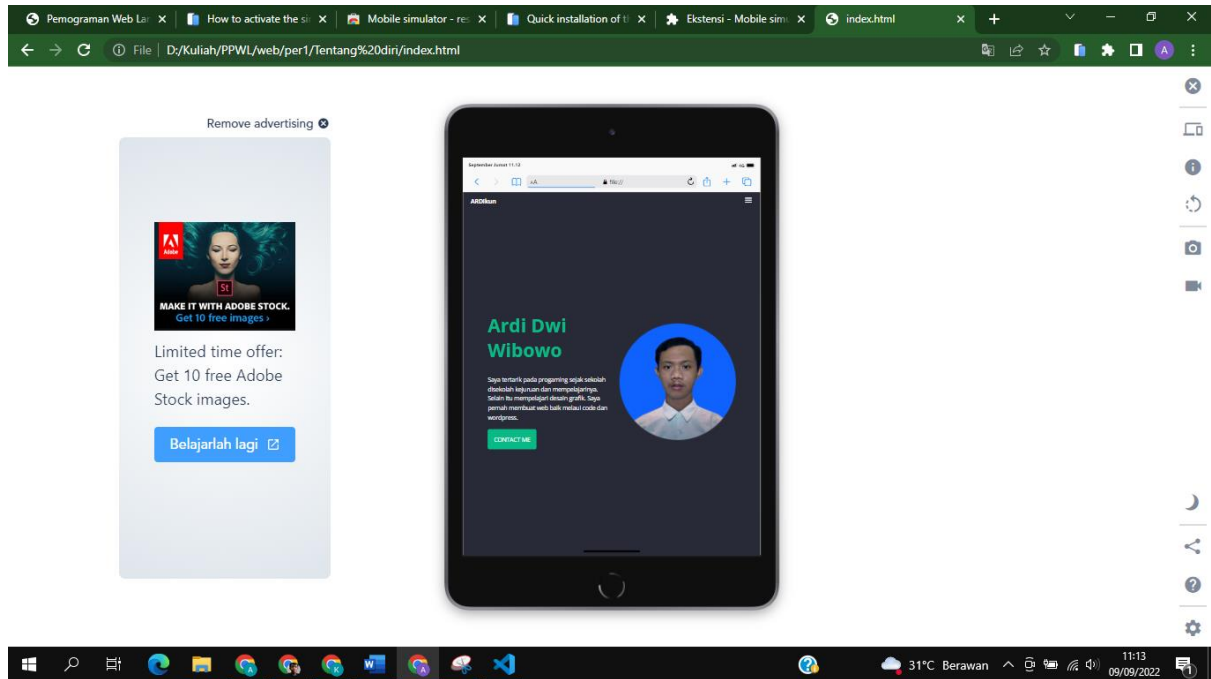
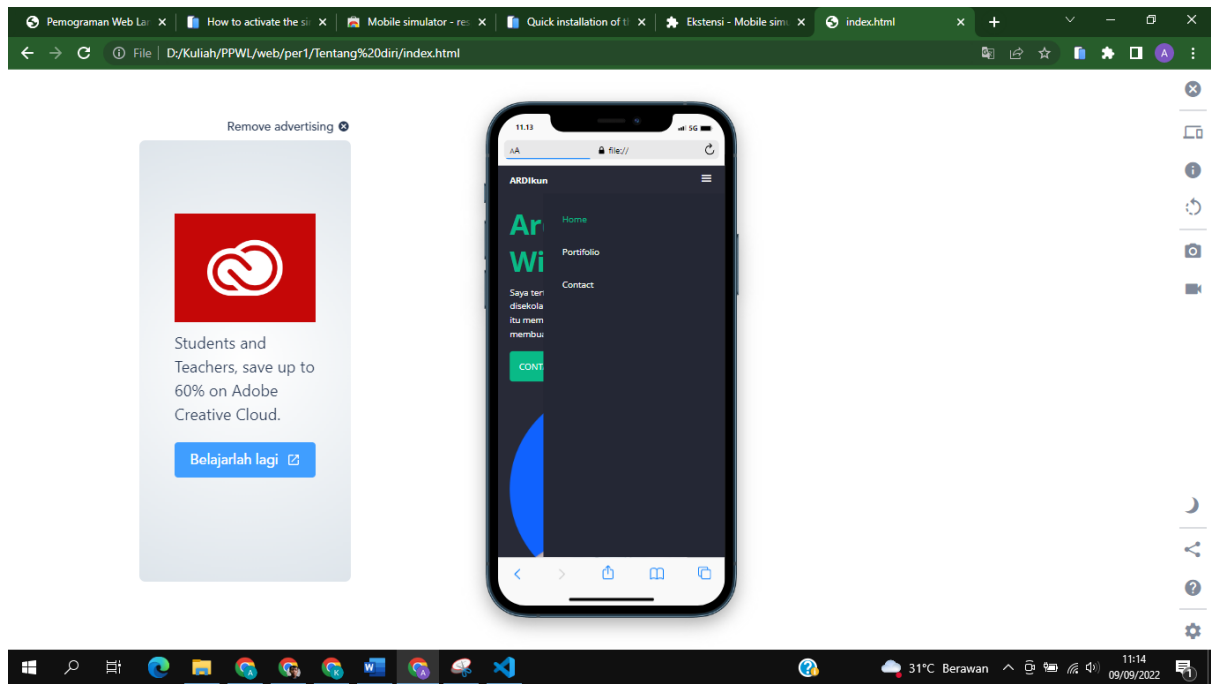
Js :

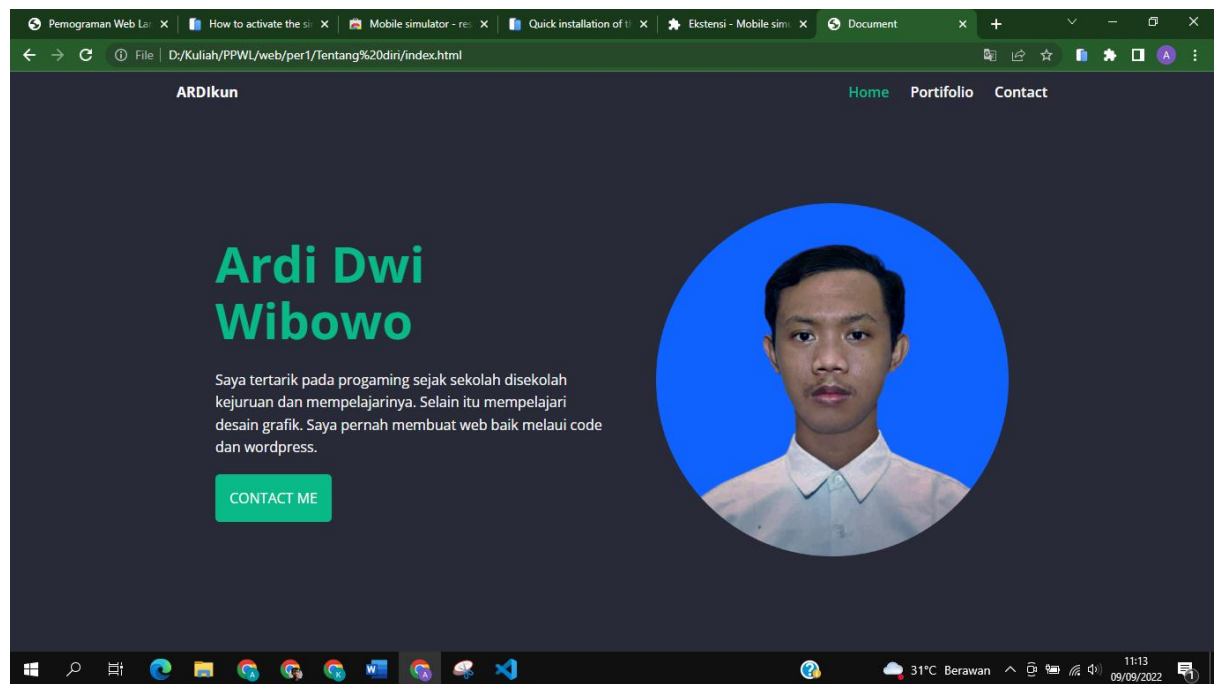


```
1 // Show menu
2 const showMenu = (toggleId, navId) => {
3   const toggle = document.getElementById(toggleId),
4     nav = document.getElementById(navId)
5   if (toggle && nav) {
6     toggle.addEventListener('click', () => {
7       nav.classList.toggle('show')
8     })
9   }
10 }
11
12 // Show menu
13 showMenu('nav_toggle', 'nav_menu')
14
15 const navLink = document.querySelectorAll('.nav_link')
16 console.log(navLink)
17 function linkAction() {
18   //Active link
19   navLink.forEach(n => n.classList.remove('active'))
20   this.classList.add('active')
21   const navMenu = document.getElementById('nav_menu')
22   //Remove menu
23   navMenu.classList.remove('show')
24 }
25
26 navLink.forEach(n => n.addEventListener('click', linkAction))
27
28 let feat = document.getElementById('feat')
29 let ho = document.getElementById('ho')
30 window.addEventListener('scroll', () => {
31   console.log(y)
32   if (y <= 700) {
33     ho.classList.add('active')
34     feat.classList.remove('active')
35   }
36   else if (y >= 700) {
37     ho.classList.remove('active')
38     feat.classList.add('active')
39   }
40 })
41 }
```

Hasil :







Penjelasan :

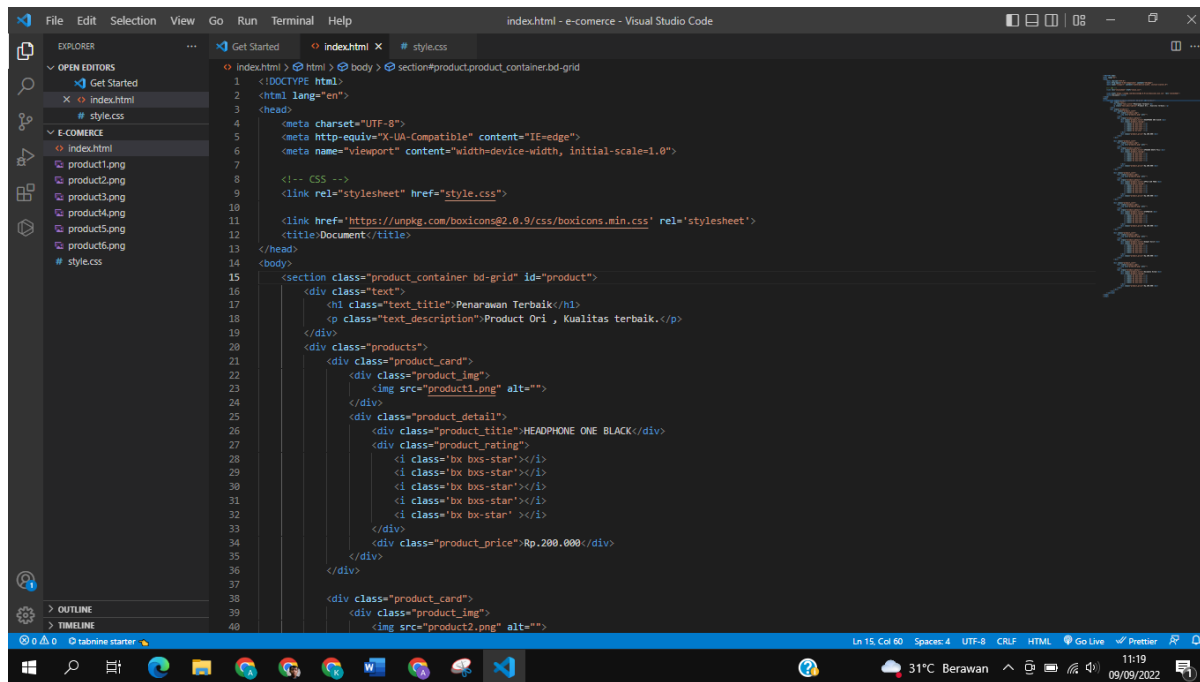
Saya menggunakan teknik mobile-first yaitu membuat tampilan untuk mobile terlebih dahulu. Mendefinisikan Meta Tag Viewport terlebih dahulu.

Tampilan ukuran font akan berubah jika ukuran lebih dari 968px. Jika lebar device kurang dari 968px maka class nav_menu akan menghilang atau kekanan sampai hilang. Jika ukuran device lebih dari 576px maka tampilan class home_container menjadi display flex atau menjadi 1 kolom. Jika . Jika ukuran device lebih dari 1024px maka tampilan class tampilan class bd-grid menjadi tengah dan id nav_toggle akan hilang dan digantikan oleh class nav_menu atau yang kekanan menjadi normal

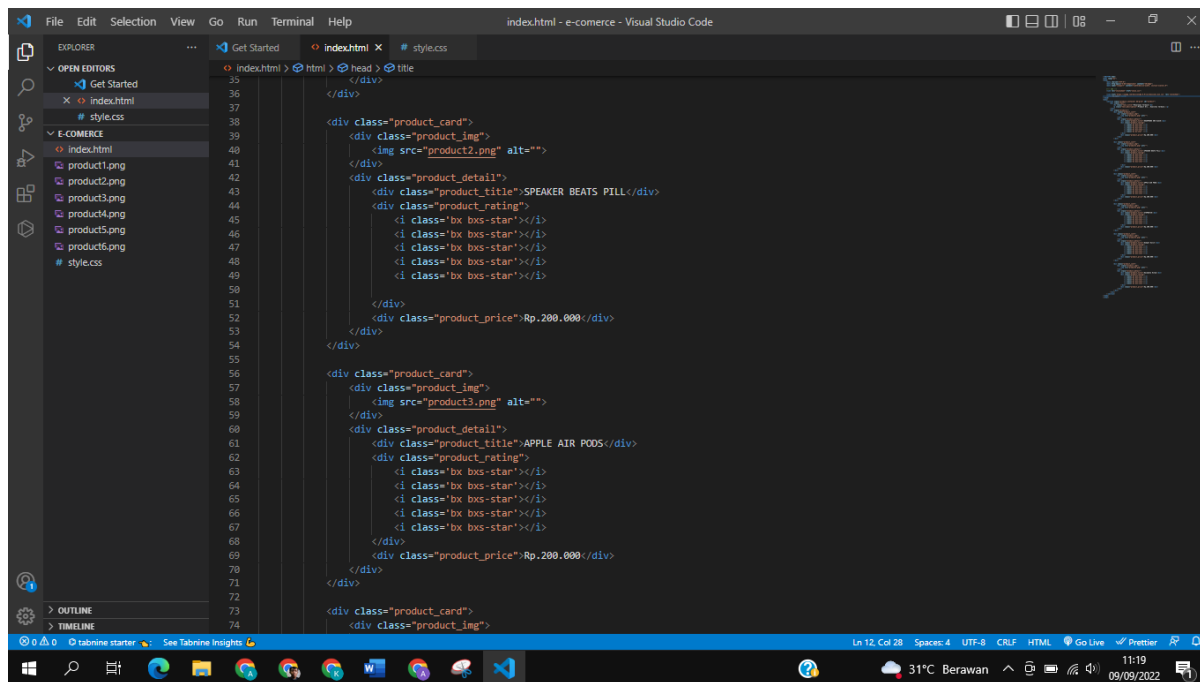
C. Tugas

1. Membuat aplikasi e-commerce sederhana dengan konsep web responsive

Html :



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7
8   <!-- CSS -->
9   <link rel="stylesheet" href="style.css">
10
11   <link href="https://unpkg.com/boxicons@2.0.9/css/boxicons.min.css" rel="stylesheet">
12   <title>Document</title>
13 </head>
14 <body>
15   <section class="product_container bd-grid" id="product">
16     <div class="text">
17       <h1 class="text title">Penarawan Terbaik</h1>
18       <p class="text_description">Product Ori , Kualitas terbaik.</p>
19     </div>
20     <div class="products">
21       <div class="product_card">
22         <div class="product_img">
23           
24         </div>
25         <div class="product_detail">
26           <div class="product_title">HEADPHONE ONE BLACK</div>
27           <div class="product_rating">
28             <i class="bx bxs-star"></i>
29             <i class="bx bxs-star"></i>
30             <i class="bx bxs-star"></i>
31             <i class="bx bxs-star"></i>
32             <i class="bx bxs-star"></i>
33           </div>
34           <div class="product_price">Rp.200.000</div>
35         </div>
36       </div>
37     </div>
38   </div>
39   <div class="product_card">
40     <div class="product_img">
41       
42     </div>
43     <div class="product_detail">
44       <div class="product_title">SPEAKER BEATS PILL</div>
45       <div class="product_rating">
46         <i class="bx bxs-star"></i>
47         <i class="bx bxs-star"></i>
48         <i class="bx bxs-star"></i>
49         <i class="bx bxs-star"></i>
50         <i class="bx bxs-star"></i>
51       </div>
52       <div class="product_price">Rp.200.000</div>
53     </div>
54   </div>
55   <div class="product_card">
56     <div class="product_img">
57       
58     </div>
59     <div class="product_detail">
60       <div class="product_title">APPLE AIR PODS</div>
61       <div class="product_rating">
62         <i class="bx bxs-star"></i>
63         <i class="bx bxs-star"></i>
64         <i class="bx bxs-star"></i>
65         <i class="bx bxs-star"></i>
66         <i class="bx bxs-star"></i>
67       </div>
68       <div class="product_price">Rp.200.000</div>
69     </div>
70   </div>
71   <div class="product_card">
72     <div class="product_img">
73       
74     </div>
75     <div class="product_detail">
76       <div class="product_title">SPEAKER BEATS PILL</div>
77       <div class="product_rating">
78         <i class="bx bxs-star"></i>
79         <i class="bx bxs-star"></i>
80         <i class="bx bxs-star"></i>
81         <i class="bx bxs-star"></i>
82         <i class="bx bxs-star"></i>
83       </div>
84       <div class="product_price">Rp.200.000</div>
85     </div>
86   </div>
87   <div class="product_card">
88     <div class="product_img">
89       
90     </div>
91     <div class="product_detail">
92       <div class="product_title">SPEAKER BEATS PILL</div>
93       <div class="product_rating">
94         <i class="bx bxs-star"></i>
95         <i class="bx bxs-star"></i>
96         <i class="bx bxs-star"></i>
97         <i class="bx bxs-star"></i>
98         <i class="bx bxs-star"></i>
99       </div>
100      <div class="product_price">Rp.200.000</div>
101    </div>
102  </div>
103  <div class="product_card">
104    <div class="product_img">
105      
106    </div>
107    <div class="product_detail">
108      <div class="product_title">SPEAKER BEATS PILL</div>
109      <div class="product_rating">
110        <i class="bx bxs-star"></i>
111        <i class="bx bxs-star"></i>
112        <i class="bx bxs-star"></i>
113        <i class="bx bxs-star"></i>
114        <i class="bx bxs-star"></i>
115      </div>
116      <div class="product_price">Rp.200.000</div>
117    </div>
118  </div>
119 </div>
120 </body>
121 </html>
```

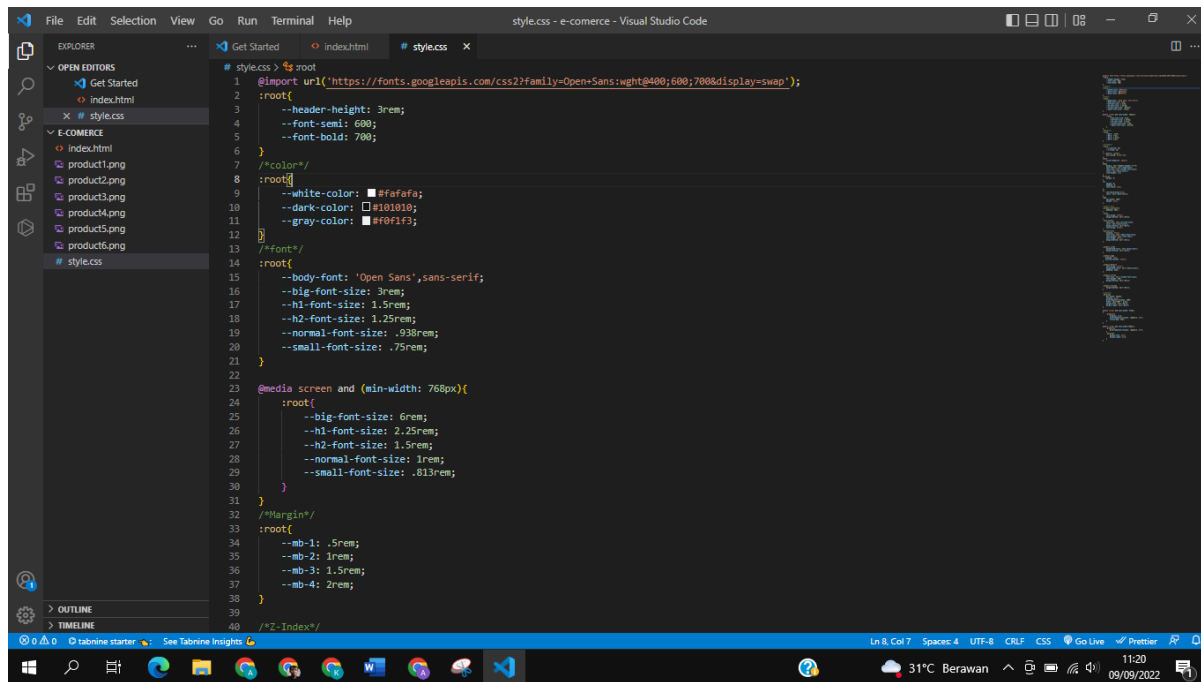


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7
8   <!-- CSS -->
9   <link rel="stylesheet" href="style.css">
10
11   <link href="https://unpkg.com/boxicons@2.0.9/css/boxicons.min.css" rel="stylesheet">
12   <title>Document</title>
13 </head>
14 <body>
15   <section class="product_container bd-grid" id="product">
16     <div class="text">
17       <h1 class="text title">Penarawan Terbaik</h1>
18       <p class="text_description">Product Ori , Kualitas terbaik.</p>
19     </div>
20     <div class="products">
21       <div class="product_card">
22         <div class="product_img">
23           
24         </div>
25         <div class="product_detail">
26           <div class="product_title">HEADPHONE ONE BLACK</div>
27           <div class="product_rating">
28             <i class="bx bxs-star"></i>
29             <i class="bx bxs-star"></i>
30             <i class="bx bxs-star"></i>
31             <i class="bx bxs-star"></i>
32             <i class="bx bxs-star"></i>
33           </div>
34           <div class="product_price">Rp.200.000</div>
35         </div>
36       </div>
37     </div>
38   </div>
39   <div class="product_card">
40     <div class="product_img">
41       
42     </div>
43     <div class="product_detail">
44       <div class="product_title">SPEAKER BEATS PILL</div>
45       <div class="product_rating">
46         <i class="bx bxs-star"></i>
47         <i class="bx bxs-star"></i>
48         <i class="bx bxs-star"></i>
49         <i class="bx bxs-star"></i>
50         <i class="bx bxs-star"></i>
51       </div>
52       <div class="product_price">Rp.200.000</div>
53     </div>
54   </div>
55   <div class="product_card">
56     <div class="product_img">
57       
58     </div>
59     <div class="product_detail">
60       <div class="product_title">APPLE AIR PODS</div>
61       <div class="product_rating">
62         <i class="bx bxs-star"></i>
63         <i class="bx bxs-star"></i>
64         <i class="bx bxs-star"></i>
65         <i class="bx bxs-star"></i>
66         <i class="bx bxs-star"></i>
67       </div>
68       <div class="product_price">Rp.200.000</div>
69     </div>
70   </div>
71   <div class="product_card">
72     <div class="product_img">
73       
74     </div>
75     <div class="product_detail">
76       <div class="product_title">SPEAKER BEATS PILL</div>
77       <div class="product_rating">
78         <i class="bx bxs-star"></i>
79         <i class="bx bxs-star"></i>
80         <i class="bx bxs-star"></i>
81         <i class="bx bxs-star"></i>
82         <i class="bx bxs-star"></i>
83       </div>
84       <div class="product_price">Rp.200.000</div>
85     </div>
86   </div>
87   <div class="product_card">
88     <div class="product_img">
89       
90     </div>
91     <div class="product_detail">
92       <div class="product_title">SPEAKER BEATS PILL</div>
93       <div class="product_rating">
94         <i class="bx bxs-star"></i>
95         <i class="bx bxs-star"></i>
96         <i class="bx bxs-star"></i>
97         <i class="bx bxs-star"></i>
98         <i class="bx bxs-star"></i>
99       </div>
100      <div class="product_price">Rp.200.000</div>
101    </div>
102  </div>
103  <div class="product_card">
104    <div class="product_img">
105      
106    </div>
107    <div class="product_detail">
108      <div class="product_title">SPEAKER BEATS PILL</div>
109      <div class="product_rating">
110        <i class="bx bxs-star"></i>
111        <i class="bx bxs-star"></i>
112        <i class="bx bxs-star"></i>
113        <i class="bx bxs-star"></i>
114        <i class="bx bxs-star"></i>
115      </div>
116      <div class="product_price">Rp.200.000</div>
117    </div>
118  </div>
119 </div>
120 </body>
121 </html>
```

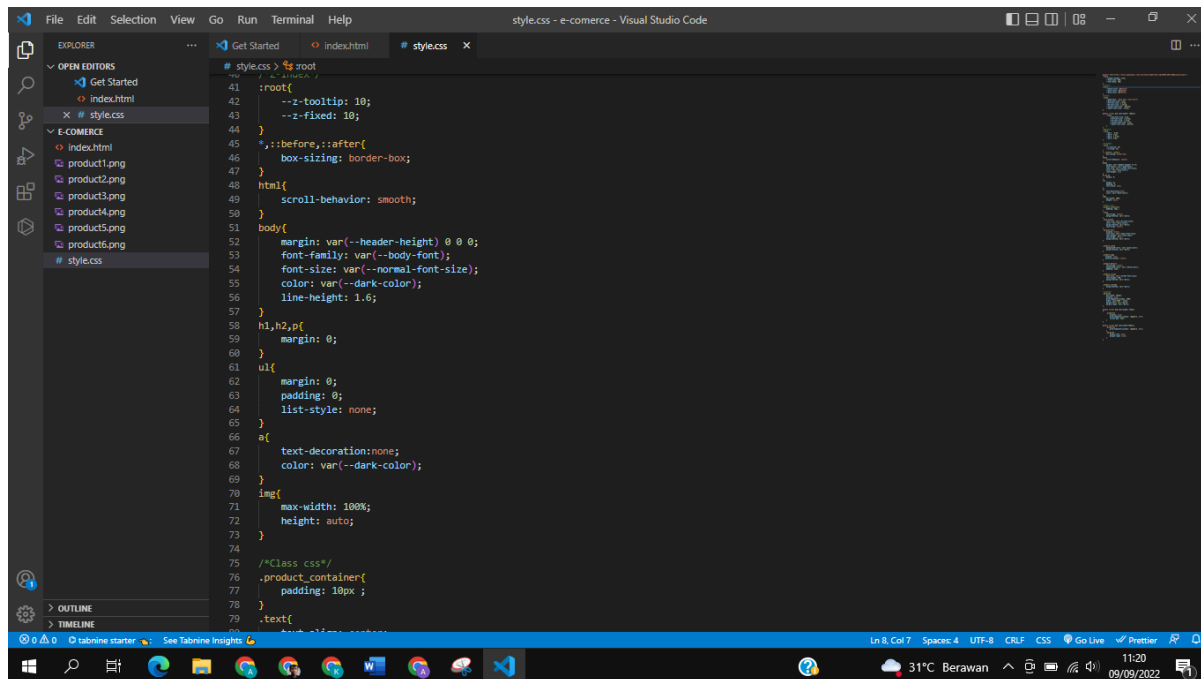
```
72 <div class="product_card">
73   <div class="product_img">
74     
75   </div>
76   <div class="product_detail">
77     <div class="product_title">STOPWATCH</div>
78     <div class="product_rating">
79       <i class="bx bxs-star"></i>
80       <i class="bx bxs-star"></i>
81       <i class="bx bxs-star"></i>
82       <i class="bx bxs-star"></i>
83       <i class="bx bxs-star"></i>
84     </div>
85     <div class="product_price">Rp.200.000</div>
86   </div>
87 </div>
88
89 <div class="product_card">
90   <div class="product_img">
91     
92   </div>
93   <div class="product_detail">
94     <div class="product_title">Dompet Kulit</div>
95     <div class="product_rating">
96       <i class="bx bxs-star"></i>
97       <i class="bx bxs-star"></i>
98       <i class="bx bxs-star"></i>
99       <i class="bx bxs-star"></i>
100       <i class="bx bxs-star"></i>
101     </div>
102     <div class="product_price">Rp.200.000</div>
103   </div>
104 </div>
105
106 <div class="product_card">
107   <div class="product_img">
108     
109   </div>
110   <div class="product_detail">
```

```
109   <div class="product_detail">
110     <div class="product_title">Kacamata Hitam</div>
111     <div class="product_rating">
112       <i class="bx bxs-star"></i>
113       <i class="bx bxs-star"></i>
114       <i class="bx bxs-star"></i>
115       <i class="bx bxs-star"></i>
116       <i class="bx bxs-star"></i>
117     </div>
118     <div class="product_price">Rp.200.000</div>
119   </div>
120 </div>
121 </div>
122 </div>
123 </div>
124 </section>
125 </body>
126 </html>
```

Css:



```
1 @import url('https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;600;700&display=swap');
2 :root{
3   --header-height: 3rem;
4   --font-semi: 600;
5   --font-bold: 700;
6 }
7 /*color*/
8 :root{
9   --white-color: #fafa;
10  --dark-color: #101010;
11  --gray-color: #f0f1f3;
12 }
13 /*font*/
14 :root{
15   --body-font: 'Open Sans', sans-serif;
16   --big-font-size: 3rem;
17   --h1-font-size: 1.5rem;
18   --h2-font-size: 1.25rem;
19   --normal-font-size: .938rem;
20   --small-font-size: .75rem;
21 }
22
23 @media screen and (min-width: 768px){
24   :root{
25     --big-font-size: 6rem;
26     --h1-font-size: 2.25rem;
27     --h2-font-size: 1.6rem;
28     --normal-font-size: 1rem;
29     --small-font-size: .813rem;
30   }
31 }
32 /*Margin*/
33 :root{
34   --mb-1: .5rem;
35   --mb-2: 1rem;
36   --mb-3: 1.5rem;
37   --mb-4: 2rem;
38 }
39
40 /*Z-Index*/
```



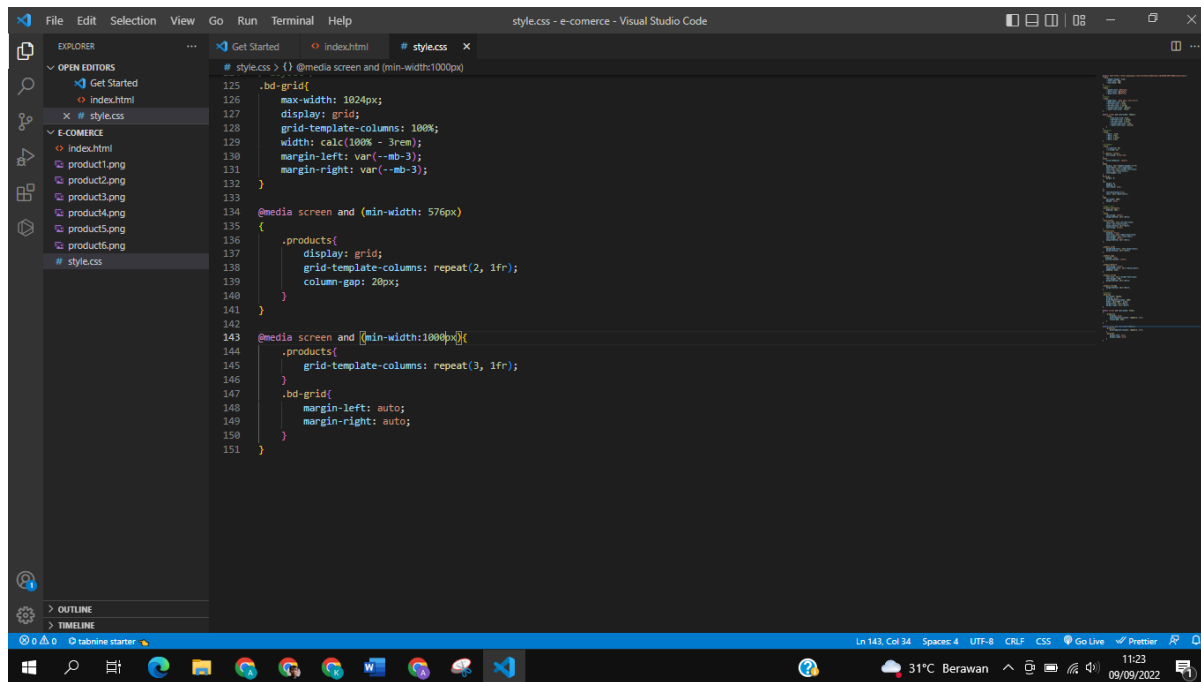
```
41 :root{
42   --z-tooltip: 10;
43   --z-fixed: 10;
44 }
45 *,::before,::after{
46   box-sizing: border-box;
47 }
48 html{
49   scroll-behavior: smooth;
50 }
51 body{
52   margin: var(--header-height) 0 0 0;
53   font-family: var(--body-font);
54   font-size: var(--normal-font-size);
55   color: var(--dark-color);
56   line-height: 1.6;
57 }
58 h1,h2,p{
59   margin: 0;
60 }
61 ul{
62   margin: 0;
63   padding: 0;
64   list-style: none;
65 }
66 a{
67   text-decoration: none;
68   color: var(--dark-color);
69 }
70 img{
71   max-width: 100%;
72   height: auto;
73 }
74
75 /*Class css*/
76 .product_container{
77   padding: 10px ;
78 }
79 .text{
```

This screenshot shows the Visual Studio Code editor with the 'style.css' file open. The Explorer sidebar on the left shows a project named 'E-COMMERCE' with files 'index.html' and 'style.css'. The main editor area displays CSS code for a product container and title. The code includes a comment for a class CSS, a container class with padding, a text class with alignment and margin, a title class with font size, color, and margin, and a section class with display, font size, weight, and alignment. Product card and image classes are also defined with background color, margin, and display properties.

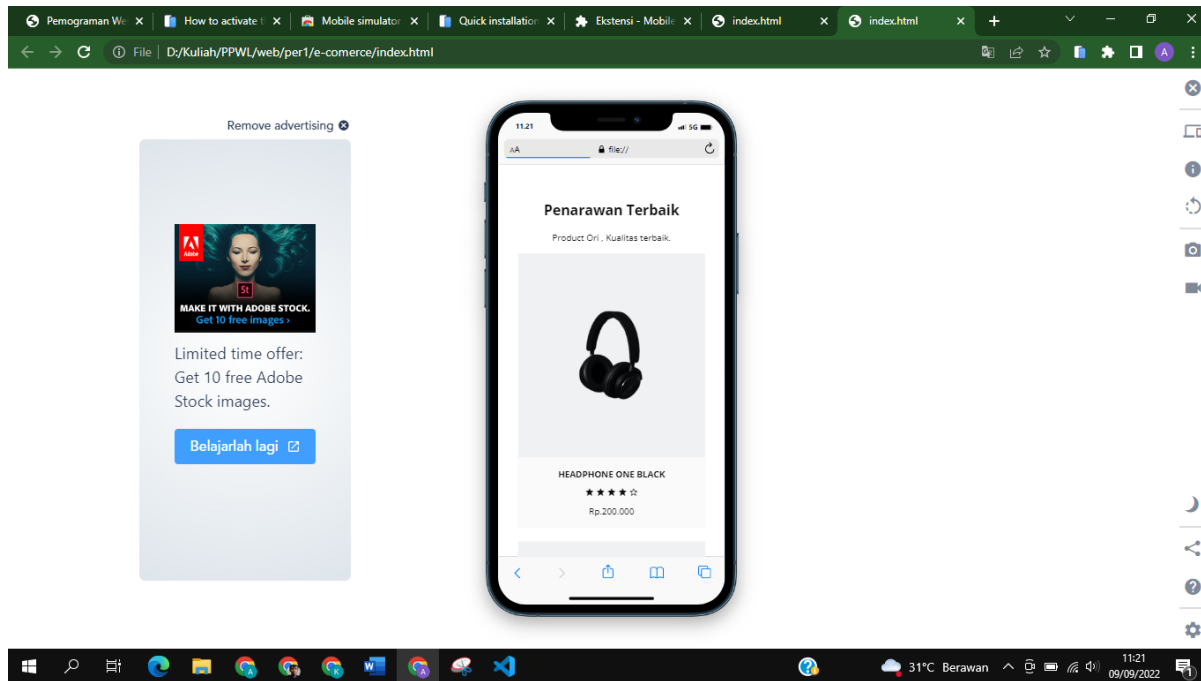
```
72 height: auto;
73 }
74
75 /*Class css*/
76 .product_container{
77 padding: 10px;
78 }
79 .text{
80 text-align: center;
81 margin-bottom: var(--mb-2);
82 }
83 .text_title{
84 font-size: var(--h1-font-size);
85 color: var(--dark-color);
86 margin-bottom: var(--mb-2);
87 text-align: center;
88 }
89 .section-all{
90 display: block;
91 font-size: var(--small-font-size);
92 font-weight: var(--font-semi);
93 text-align: center;
94 margin-bottom: var(--mb-1);
95 }
96
97
98 .product_card{
99 background-color: var(--gray-color);
100 margin-bottom: var(--mb-3);
101 }
102
103 .product_img{
104 display: flex;
105 justify-content: center;
106 }
107
108 .product_detail{
109 text-align: center;
110 background-color: var(--white-color);
111 padding: 16px;
```

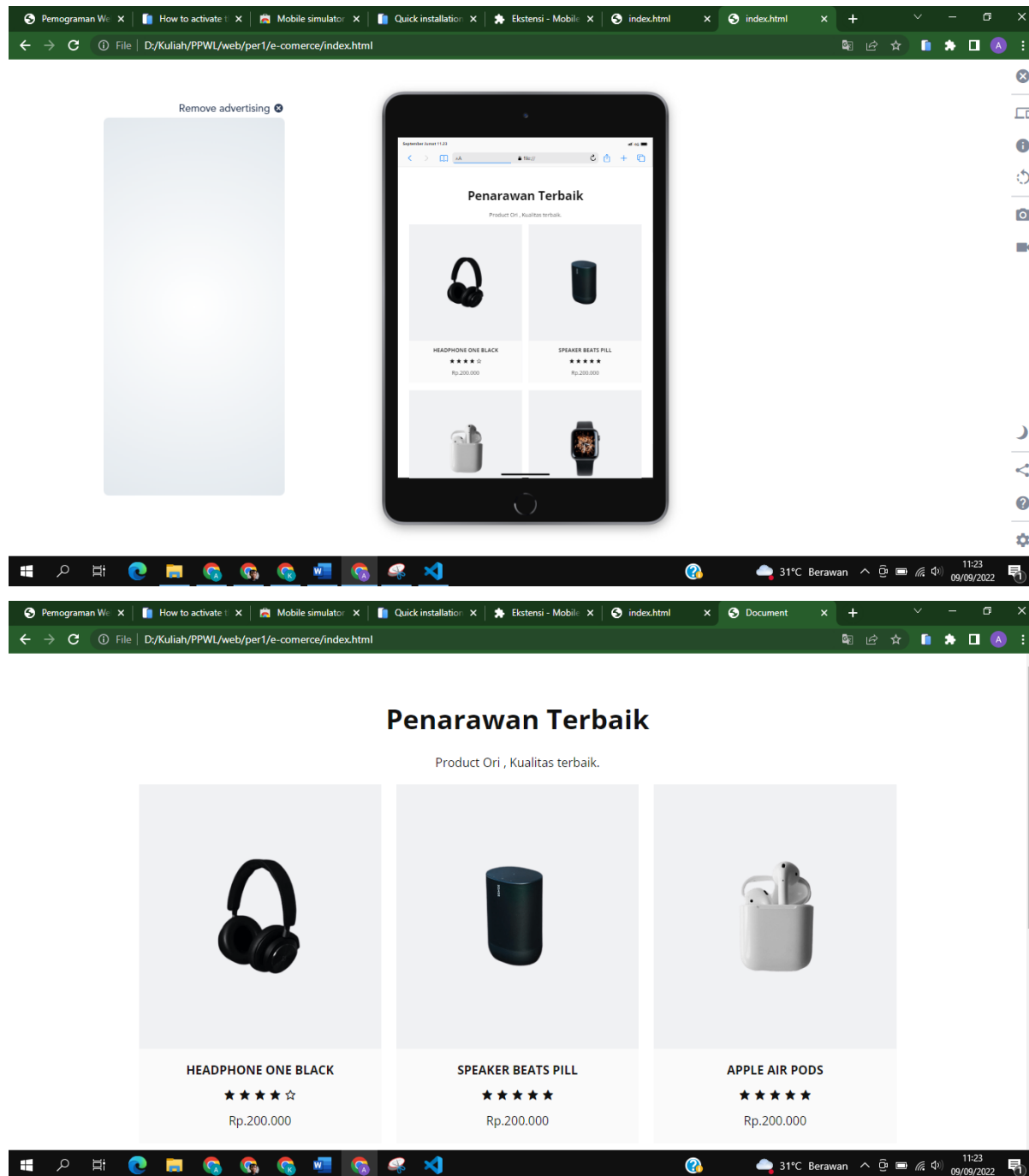
This screenshot shows the Visual Studio Code editor with the 'style.css' file open, displaying CSS code for product title, rating, and layout. The code includes a section class with text alignment and background color, a product title class with font size, weight, and margin, a product rating class with margin, and a layout section with a grid class and media queries for screen widths. The grid class sets max-width, display, grid-template-columns, width, margin-left, and margin-right. The media queries define the number of columns for products based on screen width.

```
109 text-align: center;
110 background-color: var(--white-color);
111 padding: 16px;
112 }
113
114 .product_title{
115 font-size: var(--normal-font-size);
116 font-weight: 700;
117 margin-bottom: var(--mb-1);
118 }
119
120 .product_rating{
121 margin-bottom: var(--mb-1);
122 }
123
124 /*Layout*/
125 .bd-grid{
126 max-width: 1024px;
127 display: grid;
128 grid-template-columns: 100%;
129 width: calc(100% - 3rem);
130 margin-left: var(--mb-3);
131 margin-right: var(--mb-3);
132 }
133
134 @media screen and (min-width: 576px)
135 {
136 .products{
137 display: grid;
138 grid-template-columns: repeat(2, 1fr);
139 column-gap: 20px;
140 }
141 }
142
143 @media screen and (min-width: 768px){
144 .products{
145 grid-template-columns: repeat(3, 1fr);
146 }
147 .bd-grid{
148 margin-left: auto;
```



Hasil :





Penjelasan :

Saya menggunakan teknik mobile-first yaitu membuat tampilan untuk mobile terlebih dahulu. Mendefinisikan Meta Tag Viewport terlebih dahulu. Tampilan ukuran font akan berubah jika ukuran lebih dari 768px. Pada saat ukuran lebih dari atau sama dengan 576px maka layout pada class products menjadi dibagi 2 dalam satu kolom. Pada saat ukuran lebih dari 768px. Pada saat ukuran lebih dari atau sama dengan 576px maka layout pada class products menjadi dibagi 2 dalam satu kolom dan pada class bd-grid menjadi tengah.

D. Kesimpulan

1. Langkah Desain Web Responsive

- Mendefinisikan Meta Tag Viewport

Meta tag viewport ini digunakan untuk me-reset ulang dan untuk memberitahukan kepada browser untuk menggunakan lebar perangkat sebagai acuan lebar viewport serta menonaktifkan skala awal.

- Menentukan Layout dan Struktur HTML

Tinggi dan lebar masing-masing elemen sebaiknya direncanakan dulu sesuai kebutuhan sebelum melakukan coding script

- Membuat Media Query di CSS

Media Query merupakan perintah CSS yang memerintahkan browser untuk proses rendering agar mengikuti ukuran sesuai script yang dituliskan