CSS

Cascading Style Sheet (CSS) merupakan aturan untuk mengendalikan beberapa komponen dalam sebuah web sehingga akan lebih terstruktur dan seragam. CSS bukan merupakan bahasa pemograman. Pada umumnya CSS dipakai untuk memformat tampilan halaman web yang dibuat dengan bahasa HTML dan XHTML.

CSS dapat mengendalikan ukuran gambar, warna bagian tubuh pada teks, warna tabel, ukuran border, warna border, warna hyperlink, warna mouse over, spasi antar paragraf, spasi antar teks, margin kiri, kanan, atas, bawah, dan parameter lainnya. CSS adalah bahasa style sheet yang digunakan untuk mengatur tampilan dokumen. Dengan adanya CSS memungkinkan kita untuk menampilkan halaman yang sama dengan format yang berbeda.

1. CSS Syntax

```
p {color:red; text-align:center;}
```

2. CSS Id & Class

```
#para1{text-align:center; color:red;}
.center {text-align:center;}
```

3. External Css

```
<head>
    <link rel="stylesheet" type="text/css" href="mystyle.css" />
</head>
```

4. Internal Css

```
<head>
<style type="text/css">
    hr { color:sienna; }
    p { margin-left:20px; }
    body { background-image:url("images/back40.gif"); }
</style>
</head>
```

5. Inline Css

```
<p style="color:sienna;margin-left:20px">This is a paragraph.</p>
```

6. Background

```
body {background-color:#b0c4de;}
h1 {background-color:#6495ed;}
p {background-color:#e0ffff;}
```

```
div {background-color:#b0c4de;}
body {background-image:url('bgdesert.jpg');}
body {background-image:url('gradient2.png');
        background-repeat:repeat-x;}
body {background-image:url('img_tree.png');
        background-repeat:no-repeat;}
body {
        background-image:url('img_tree.png');
        background-repeat:no-repeat;
        background-position:right top; }
body {background:#ffffff url('img_tree.png') no-repeat right top;}
```

7. Text

```
body {color:blue;}
h1 {color:#00ff00;}
h2 {color:rgb(255,0,0);}
h1 {text-align:center;}
p.date {text-align:right;}
p.main {text-align:justify;}
a {text-decoration:none;}
h1 {text-decoration:overline;}
h2 {text-decoration:line-through;}
h3 {text-decoration:underline;}
h4 {text-decoration:blink;}
p.uppercase {text-transform:uppercase;}
p.lowercase {text-transform:lowercase;}
p.capitalize {text-transform:capitalize;}
p {text-indent:50px;}
```

8. Font

```
p{font-family:"Times New Roman", Times, serif;}
p.normal {font-style:normal;}
p.italic {font-style:italic;}
h1 {font-size:40px;}
h2 {font-size:30px;}
p {font-size:14px;}
h1 {font-size:2.5em;} /* 40px/16=2.5em */
h2 {font-size:1.875em;} /* 30px/16=1.875em */
p {font-size:0.875em;} /* 14px/16=0.875em */
body {font-size:100%;}
h1 {font-size:2.5em;}
h2 {font-size:1.875em;}
p {font-size:0.875em;}
```

9. Link

```
a:link {color:#FF0000;}     /* unvisited link */
a:visited {color:#00FF00;}  /* visited link */
a:hover {color:#FF00FF;}  /* mouse over link */
a:active {color:#0000FF;}  /* selected link */
a:link {text-decoration:none;}
a:visited {text-decoration:none;}
a:hover {text-decoration:underline;}
a:active {text-decoration:underline;}
a:link {background-color:#B2FF99;}
a:visited {background-color:#FFFF85;}
a:hover {background-color:#FF704D;}
a:active {background-color:#FF704D;}
```

10. Table

```
table, td, th { border:1px solid green; }
th { background-color:green; color:white; }
```

11. Border

```
dotted, dashed, solid
border-style:solid;
border-color:red;
border-top-style:dotted;
border-style:dotted solid;
border:5px solid red;
```

12. Margin

```
margin-top:100px;
margin-bottom:100px;
margin-right:50px;
margin-left:50px;
margin:100px 50px;
```

13. Padding

```
padding-top:25px;
padding-bottom:25px;
padding-right:50px;
padding-left:50px;
padding:25px 50px;
```

14. Grouping

```
h1,h2,p { color:green; }
```

15. Position

```
.static { position:static; }
```

```
.relative { position:relative; top:20px; left:20px; }
.absolute { position:absolute; top:20px; left:120px; }
.fixed { position:fixed; bottom:20px; right:20px; }
```

16. Navigasi

```
<ul>
        <li><a href="default.asp">Home</a></li>
        <li><a href="news.asp">News</a></li>
        <li><a href="contact.asp">Contact</a></li>
        <li><a href="about.asp">About</a></li>
</ul>
```

```
ul{ list-style-type:none; margin:0; padding:0; }
a {display:block; width:60px; }
li { display:inline; }
li { float:left; }
a { display:block; width:60px; }
```

17. Background Position

```
background-position-x : 50px;
background-position-y : 50px;
background-position : nilaiX nilaiY;
```

18. Example For Float

```
<img src='logo.png' alt='gambar' />
<p> Sebuah kalimat disini Sebuah kalimat disini Sebuah kalimat disini
    Sebuah  kalimat disini Sebuah kalimat disini Sebuah kalimat disini
    Sebuah kalimat disini Sebuah kalimat disini Sebuah kalimat disini Sebuah
    kalimat disini Sebuah kalimat disini.
</p>
```

18. Image opacity

```
img{
    opacity:0.4;
    filter:alpha(opacity=40); /* For IE8 and earlier */
}
```

```
img{
    opacity:0.4;
    filter:alpha(opacity=40); /* For IE8 and earlier */
}
```

```css
img:hover{
        opacity:1.0;
        filter:alpha(opacity=100); /* For IE8 and earlier */
}
```

```html
<html>
<head>
<style>
div.background {
  width:500px;
  height:250px;
  background:url(klematis.jpg) repeat;
  border:2px solid black;
  }
div.transbox {
  width:400px;
  height:180px;
  margin:30px 50px;
  background-color:#ffffff;
  border:1px solid black;
  opacity:0.6;
  filter:alpha(opacity=60); /* For IE8 and earlier */
  }
div.transbox p {
  margin:30px 40px;
  font-weight:bold;
  color:#000000;
  }
</style>
</head>
<body>
<div class="background">
<div class="transbox">
<p>This is some text that is placed in the transparent box.
This is some text that is placed in the transparent box. This is some text that is
placed in the transparent box. This is some text that is placed in the
transparent box. This is some text that is placed in the transparent box.</p>
</div></div>
</body>
</html>
```