

## BELAJAR BOOTSTRAP 2 – LAYOUT FLEX

Oleh: Sutrisno Sukarno

Referensi:

1. <https://getbootstrap.com/docs/5.3/utilities/flex/>
2. [https://www.w3schools.com/bootstrap5/bootstrap\\_flex.php](https://www.w3schools.com/bootstrap5/bootstrap_flex.php)

### Sekilas Info Flexbox

The biggest difference between Bootstrap 3 and Bootstrap 4 & 5 is that Bootstrap 5 now uses flexbox, instead of floats, to handle the layout.

The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning. If you are new to flex, you can read about it in our CSS Flexbox Tutorial.

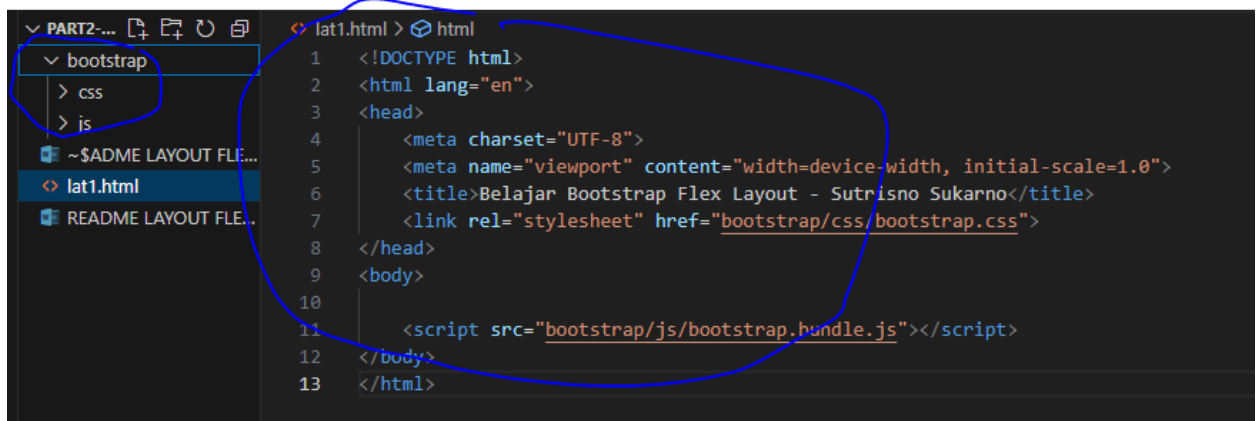
### Yuk belajar Bootstrap Flex !!

#### 1. Buat folder Part2-Layout-Flex



#### 2. Buat file lat1.html

Buat file lat1.html dan download file css dan js dari bootstrap serta buat kerangka file lat1.html sbb:



File awal lat1.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
  <link rel="stylesheet" href="bootstrap/css/bootstrap.css">
</head>
<body>
```

```

<script src="bootstrap/js/bootstrap.bundle.js"></script>
</body>
</html>

```

### 3. Perbedaan display flex dan tanpa flex

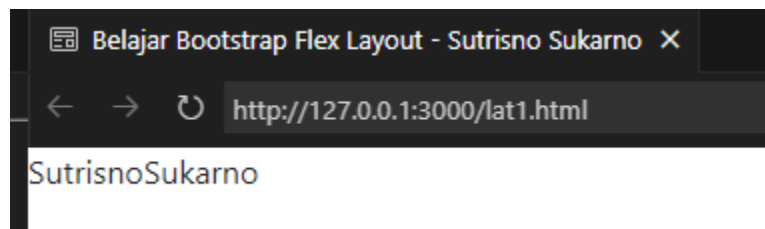
Display flex:

```

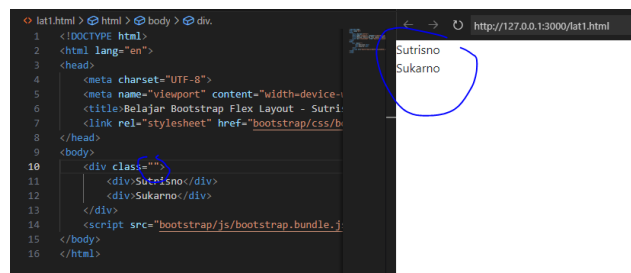
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
  <link rel="stylesheet" href="bootstrap/css/bootstrap.css">
</head>
<body>
  <div class="">
    <div>Sutrisno</div>
    <div>Sukarno</div>
  </div>
  <script src="bootstrap/js/bootstrap.bundle.js"></script>
</body>
</html>

```

Result:



Tanpa flex class di hilangkan maka div akan ke bawah, dan jika dengan display flex bentuknya inline:



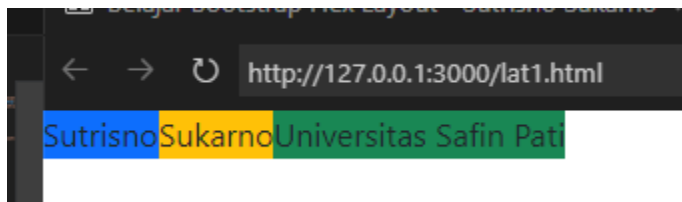
#### 4. Menggunakan Display Flex dan Display Inline Flex

Silahkan buat script di bawah ini:

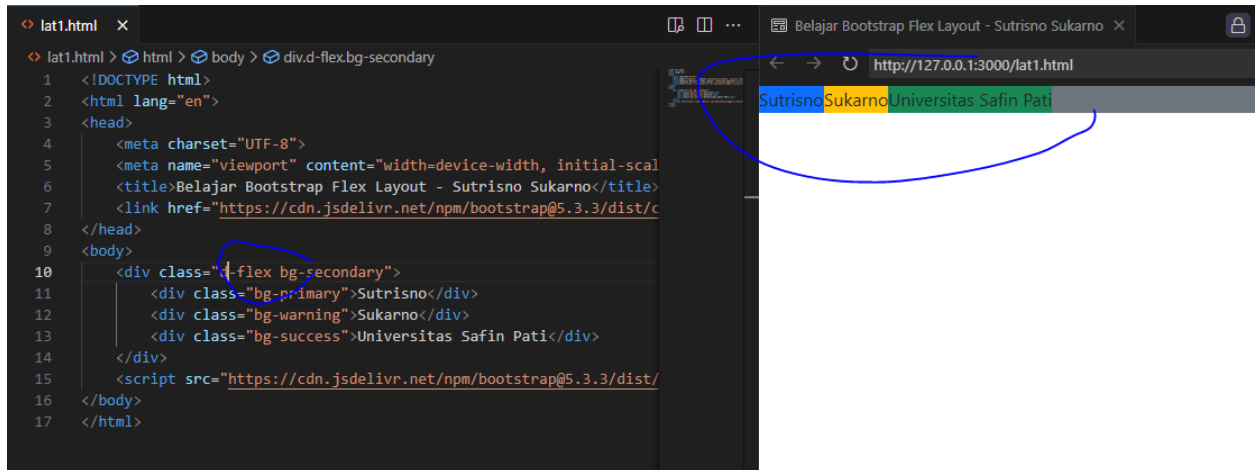
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">
</head>
<body>
  <div class="d-inline-flex bg-secondary">
    <div class="bg-primary">Sutrisno</div>
    <div class="bg-warning">Sukarno</div>
    <div class="bg-success">Universitas Safin Pati</div>
  </div>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jleHz"
crossorigin="anonymous"></script>
</body>
</html>
```

Hasil:



Display flex:



Perbedaan utama antara d-flex dan d-inline-flex adalah lebar kontainer flexbox yang dibuat:

- **d-flex:** Membuat kontainer flexbox dengan lebar layar penuh.
- **d-inline-flex:** Membuat kontainer flexbox dengan lebar yang disesuaikan.

## 5. Penerapan display flex sesuai ukuran layar / responsif

Silahkan di praktekan sintak berikut:

Responsive variations also exist for .d-flex and .d-inline-flex.

- .d-flex
- .d-inline-flex
- .d-sm-flex
- .d-sm-inline-flex
- .d-md-flex
- .d-md-inline-flex
- .d-lg-flex
- .d-lg-inline-flex
- .d-xl-flex
- .d-xl-inline-flex
- .d-xxl-flex
- .d-xxl-inline-flex

Contoh:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
```

```
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
    rel="stylesheet"                                integrity="sha384-
```

```

QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
</head>
<body>
  <div class="d-md-flex bg-secondary">
    <div class="bg-primary">Sutrisno</div>
    <div class="bg-warning">Sukarno</div>
    <div class="bg-success">Universitas Safin Pati</div>
  </div>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jleHz"
crossorigin="anonymous"></script>
</body>
</html>

```

Keterangan:

Jika ukuran layar sedang maka akan menerapkan display flex

## 6. Flex Direction

### 6.1. Row

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
</head>
<body>
  <div class="d-flex flex-row mb-3 bg-success">
    <div class="p-2">Flex item 1</div>
    <div class="p-2">Flex item 2</div>
    <div class="p-2">Flex item 3</div>
  </div>
  <div class="d-flex flex-row-reverse bg-primary">
    <div class="p-2">Flex item 1</div>

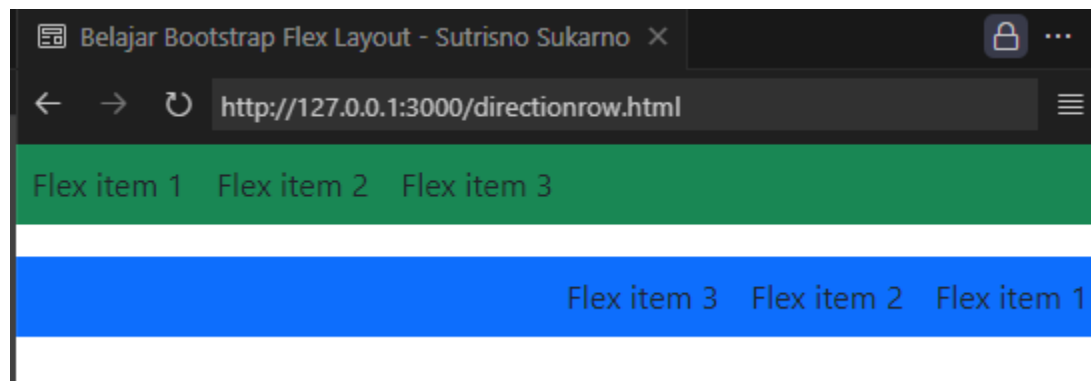
```

```

        <div class="p-2">Flex item 2</div>
        <div class="p-2">Flex item 3</div>
    </div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</body>
</html>

```

Hasil:



## 7. Direction Kolom

Buat file dengan nama directionkolom.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">
</head>
<body>
    <div class="d-inline-flex flex-column mb-3">

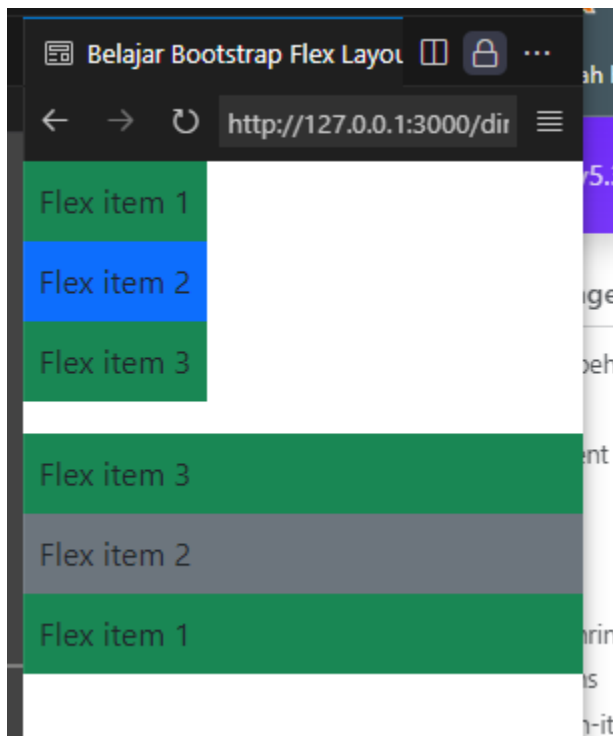
```

```

    <div class="p-2 bg-success">Flex item 1</div>
    <div class="p-2 bg-primary">Flex item 2</div>
    <div class="p-2 bg-success">Flex item 3</div>
  </div>
  <div class="d-flex flex-column-reverse">
    <div class="p-2 bg-success">Flex item 1</div>
    <div class="p-2 bg-secondary">Flex item 2</div>
    <div class="p-2 bg-success">Flex item 3</div>
  </div>
</script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</body>
</html>

```

Hasil:



## 8. Tentang Justify Konten



Buat File Justifykonten.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Belajar Bootstrap Flex Layout - Sutrisno Sukarno</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhJY6hW+ALEwIH"
crossorigin="anonymous">
</head>
<body>
  <div class="d-flex flex-column mb-3">
    <div class="d-flex justify-content-start bg-success">
      <div>1</div>
      <div>2</div>
      <div>3</div>
    </div>
    <div class="d-flex justify-content-end bg-secondary">
      <div>1</div>
      <div>2</div>
      <div>3</div>
    </div>
    <div class="d-flex justify-content-center bg-success">
```



```

        <div>1</div>
        <div>2</div>
        <div>3</div>
    </div>
    <div class="d-flex justify-content-between bg-primary">
        <div>1</div>
        <div>2</div>
        <div>3</div>
    </div>
    <div class="d-flex justify-content-around bg-success">
        <div>1</div>
        <div>2</div>
        <div>3</div>
    </div>
    <div class="d-flex justify-content-evenly bg-warning">
        <div>1</div>
        <div>2</div>
        <div>3</div>
    </div>
</div>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</body>
</html>

```

## Result:

