BOOTSTRAP

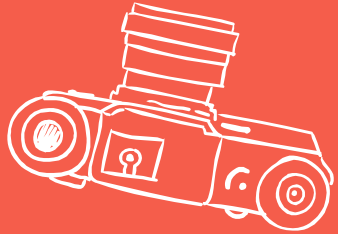## Pertemuan 13 - 14

Bootstrap

adalah Library framework CSS, HTML, Javascript yang bersifat opensource, yang mempermudah dan mempercepat pengembangan website dari sisi frontend.

Bootstrap diciptakan dan dikembangkan pada tahun 2011 oleh Mark Otto dan Jacob Thornton dari Twitter. Awal mula Bootstrap dinamakan **Twitter Blueprint**.

Fungsi Boostrap

➢ Dapat membantu saat mendesain sebuah website yang cepat dan juga responsif.

➢ Dapat mempermudah dan mempercepat proses pembuatan *website*.

➢ Menampilkan *website* yang lebih modern dan responsif
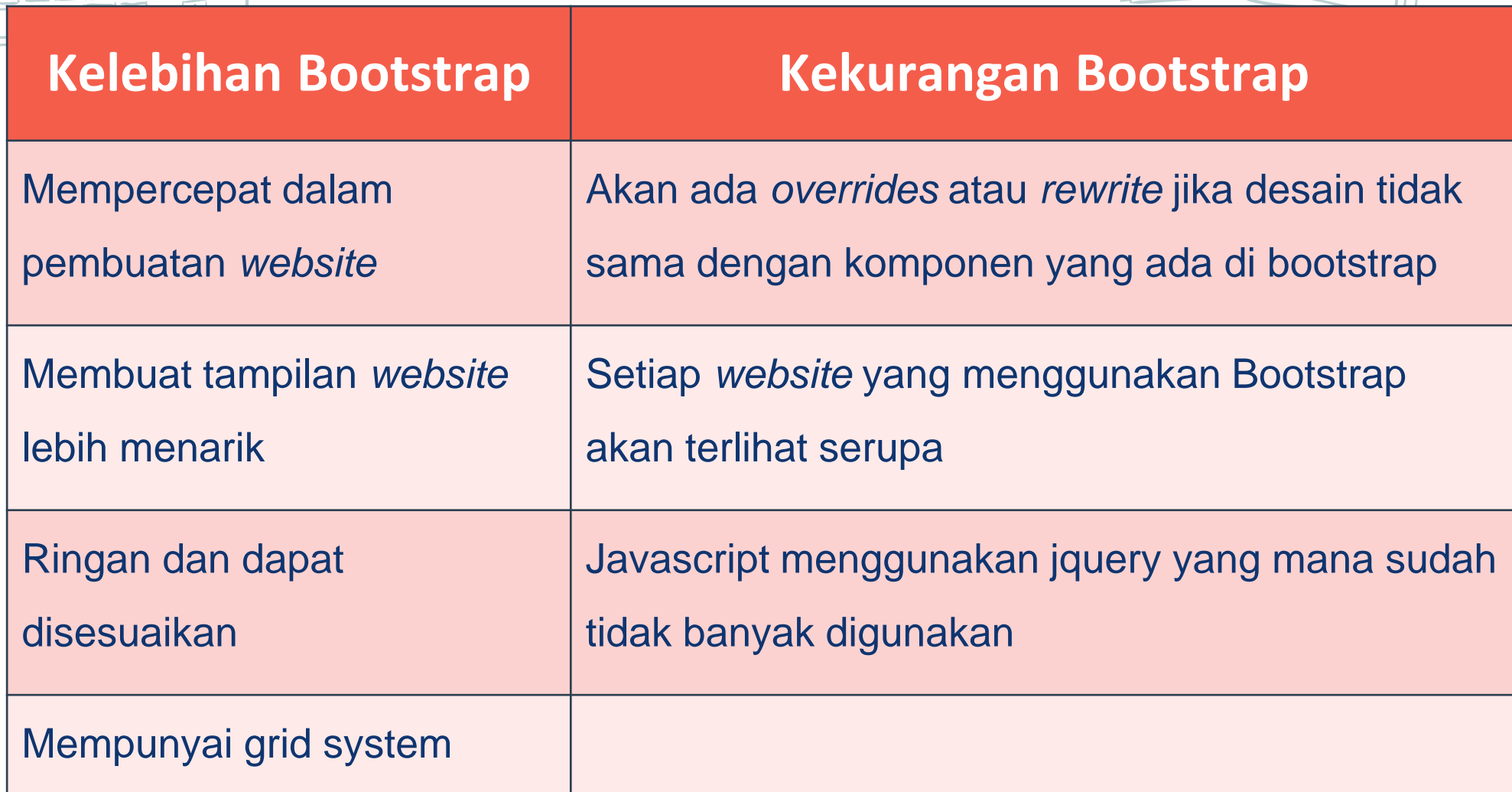
Perbedaan CSS vs Bootstrap

```html
<body>
  <button type="button" class="btn btn-primary">Primary</button>
</body>
```

➡ **BOOTSTRAP**

```css
button {
  color: #fff;
  background-color: #0d6efd;
  border-color: #0d6efd;
  border: 1px solid transparent;
  border-radius: .25rem;
  padding: .375rem .75rem;
}
```

➡ **CSS**

Primary

Kelebihan Bootstrap	Kekurangan Bootstrap
Mempercepat dalam pembuatan *website*	Akan ada *overrides* atau *rewrite* jika desain tidak sama dengan komponen yang ada di bootstrap
Membuat tampilan *website* lebih menarik	Setiap *website* yang menggunakan Bootstrap akan terlihat serupa
Ringan dan dapat disesuaikan	Javascript menggunakan jquery yang mana sudah tidak banyak digunakan
Mempunyai grid system	

Jenis-jenis CSS Framework

Foundation

Milligram

BULMA.io

Semantic UI

B Bootstrap

UIkit

materialize

tailwindcss

P css Pure.css

Cara Install Bootstrap

1) **OFFLINE**

> Download : https://getbootstrap.com/docs/5.1/getting-started/download/

Compiled CSS and JS

Download ready-to-use compiled code for **Bootstrap v5.1.3** to easily drop into your project, which include

- Compiled and minified CSS bundles (see CSS files comparison)
- Compiled and minified JavaScript plugins (see JS files comparison)

This doesn't include documentation, source files, or any optional JavaScript dependencies like Popper.

[Download]

> Extract ke Folder Project

```
∨ assets \ bootstrap
  > css
  > js
```

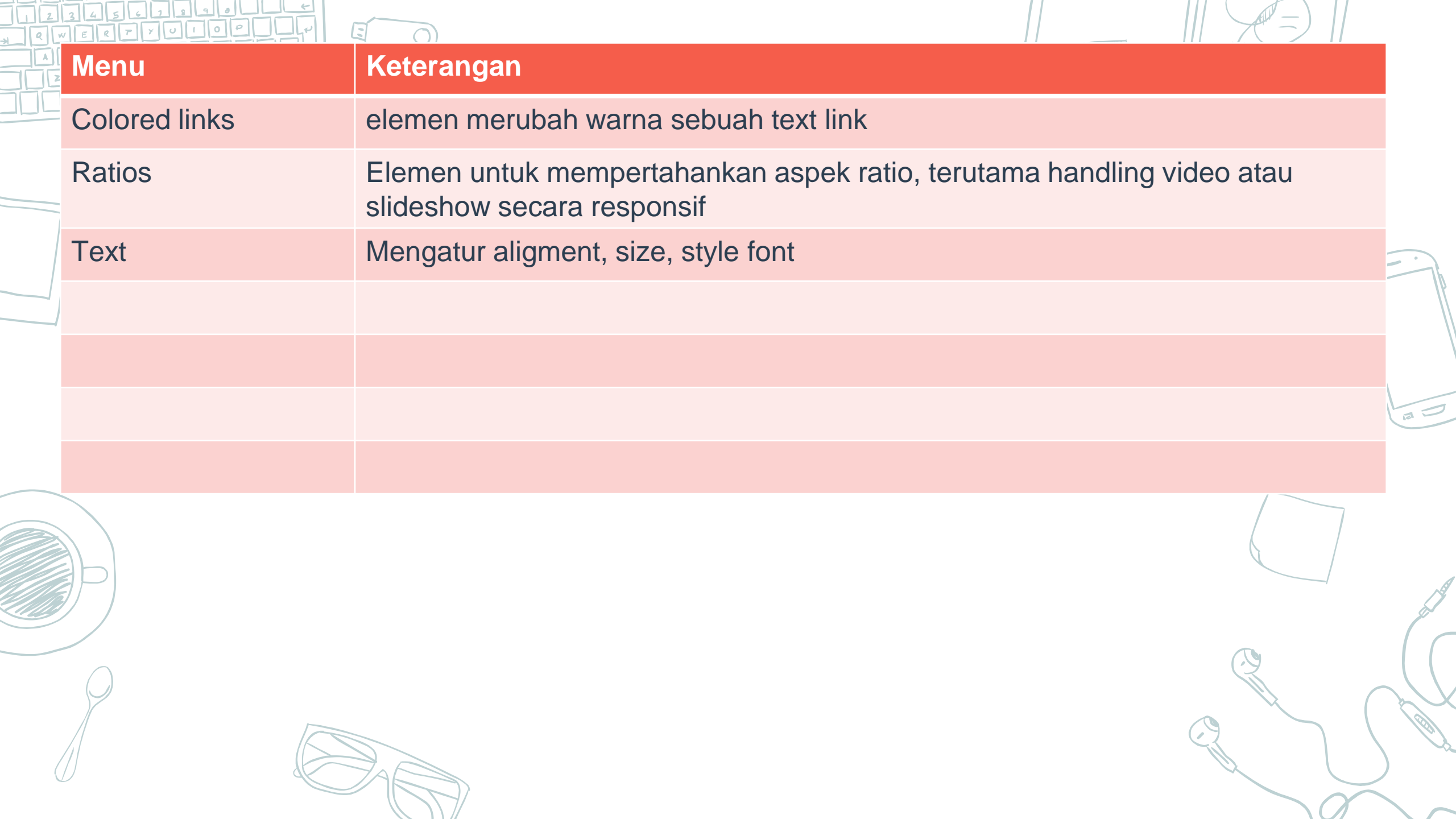> Link di halaman index

Cara Install Bootstrap

ONLINE

Tambahkan di tag head

CDN via jsDelivr

Skip the download with jsDelivr to deliver cached version of Bootstrap's compiled CSS and JS to your project.

```
                                                                                    Copy
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity=
◀                                                                                                  ▶
```

Menu	Keterangan
Colored links	elemen merubah warna sebuah text link
Ratios	Elemen untuk mempertahankan aspek ratio, terutama handling video atau slideshow secara responsif
Text	Mengatur aligment, size, style font

Cara Install Bootstrap Icons

https://icons.getbootstrap.com/

Install

Bootstrap Icons are published to npm, but they can also be manually downloaded if needed.

npm

Install Bootstrap Icons—including SVGs, icon sprite, and icon fonts—with npm. Then, choose how you'd like to include the icons with the usage instructions.

```
$ npm i bootstrap-icons
```

Download

Releases are published on GitHub and include icon SVGs, fonts, license, and readme. Our `package.json` is also included, though our npm scripts are primarily available for our development workflows.

https://icons.getbootstrap.com/

Download latest ZIP

CDN

Include the icon fonts stylesheet—in your website `<head>` or via `@import` in CSS—from our CDN and get started in seconds. See icon font docs for examples.

```
<link rel="stylesheet" href="https://c
```

```
@import url("https://cdn.jsdelivr.net/
```

Referensi

https://www.w3schools.com/css/css3_flexbox.asp

https://css-tricks.com/snippets/css/a-guide-to-flexbox/