Nama   : Farid Hambali

NPM   : 22312112

Sesi 1

Membuat folder api yang berisi brands dan shoes

```ts
app > api > brands > ts route.ts > GET
1    import { NextResponse } from 'next/server';
2 ∨  export async function GET() {
3 ∨      const brands = [
4            { id: 'adidas', name: 'Adidas', logo: '/images/adidas-logo.png' },
5            { id: 'ortuseight', name: 'Ortuseight', logo: '/images/ortus-logo.png' },
6            { id: 'salomon', name: 'Salomon', logo: '/images/salomon-logo.png' },
7            { id: 'nike', name: 'Nike', logo: '/images/nike-logo.png' },
8            { id: 'newbalance', name: 'New Balance', logo: '/images/newbalance-logo.png' },
9            { id: 'on', name: 'On', logo: '/images/on-logo.png' },
10       ];
11
12       return NextResponse.json(brands);
13   }
```

API untuk data merek sepatu

```ts
app > api > shoes > route.ts > GET
  1   import { NextResponse } from 'next/server';
  2
  3 ∨ export async function GET(request: Request) {
  4 ∨   try {
  5       const { searchParams } = new URL(request.url);
  6       const brand = searchParams.get('brand'); // Mendapatkan parameter "brand" dari URL
  7
  8       // Data sepatu dengan harga dan ukuran
  9       const shoes: Record<string, Array<{ id: string; name: string; image: string; price: number; sizes: string[] }>> = {
 10 ∨       adidas: [
 11
 12         ],
 13 ∨       ortuseight: [
 14
 15         ],
 16 ∨       nike: [
 17
 18         ],
 19 ∨       newbalance: [
 20
 21         ],
 22 ∨       salomon: [
 23
 24         ],
 25 ∨       on: [
 26
 27         ]
 28
 29       };
 30
 31
 32       const shoeData = brand && shoes[brand] ? shoes[brand] : [];
 33
 34       return NextResponse.json(shoeData);
 35 ∨   } catch (error) {
 36       console.error('Error handling request:', error);
 37       return NextResponse.json({ error: 'An error occurred while processing your request.' }, { status: 500 });
 38     }
 39   }
 40
```

API untuk data sepatu dari setiap merek

```tsx
app > brands > [id] > page.tsx > [∅] Shoe
  1   "use client";
  2   import { useEffect, useState } from 'react';
  3
  4 ∨ type Shoe = {
  5     id: string;
  6     name: string;
  7     image: string;
  8     price: number;
  9     sizes: string[];
 10   };
```

Halaman dinamis untuk sepatu per merek

```tsx
app > brands > [id] > page.tsx > BrandDetail
11
12    export default function BrandDetail({ params }: { params: { id: string } }) {
13        const [shoes, setShoes] = useState<Shoe[]>([]);
14        const [selectedShoe, setSelectedShoe] = useState<Shoe | null>(null);
15        const [isModalOpen, setIsModalOpen] = useState<boolean>(false);
16
17        useEffect(() => {
18          const fetchShoes = async () => {
19            const res = await fetch(`/api/shoes?brand=${params.id}`);
20            const data = await res.json();
21            setShoes(data);
22          };
23
24          fetchShoes();
25        }, [params.id]);
26
27        const handleShoeClick = (shoe: Shoe) => {
28          setSelectedShoe(shoe);
29          setIsModalOpen(true); // Show the modal
30        };
31
32        const closeModal = () => {
33          setIsModalOpen(false);
34        };}
```

Membuat komponen untuk menampilkan detail merek berdasarkan id

```tsx
app > brands > [id] > page.tsx > BrandDetail
12    export default function BrandDetail({ params }: { params: { id: string } }) {
35
36      return (
37        <main className="container mx-auto p-6">
38          <h1 className="text-4xl font-extrabold text-gray-800 text-center mb-8">Sepatu {params.id}</h1>
39
40          <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-8">
41            {shoes.map((shoe) => (
42              <div
43                key={shoe.id}
44                className="group relative bg-white rounded-lg shadow-lg overflow-hidden cursor-pointer hover:scale-105 transition-all duration-300"
45                onClick={() => handleShoeClick(shoe)}
46              >
47                <img
48                  src={shoe.image}
49                  alt={shoe.name}
50                  className="w-full h-56 object-cover group-hover:scale-110 transition-transform duration-300"
51                />
52                <div className="p-4">
53                  <h2 className="text-lg font-semibold text-gray-800 group-hover:text-blue-500 transition-colors duration-300">{shoe.name}</h2>
54                  <p className="mt-2 text-xl font-bold text-black">Rp {shoe.price.toLocaleString()}</p>
55                </div>
56              </div>
57            ))}
58          </div>
59
60          {/* Modal for selected shoe */}
61          {isModalOpen && selectedShoe && (
62            <div className="fixed inset-0 bg-black bg-opacity-50 flex justify-center items-center z-50">
63              <div className="bg-white p-6 rounded-lg shadow-xl max-w-lg w-full">
64                <button
65                  className="absolute top-4 right-4 text-black font-bold text-2xl"
66                  onClick={closeModal}
67                >
68                  &times;
69                </button>
70                <div className="flex flex-col items-center">
71                  <img
72                    src={selectedShoe.image}
73                    alt={selectedShoe.name}
74                    className="w-72 h-72 object-contain mb-4 transition-transform duration-300 transform hover:scale-110"
```

menampilkan daftar sepatu berdasarkan **ID merek** dan menyediakan modal untuk melihat detail sepatu yang dipilih.

```
app > ⚙ page.tsx > [∅] Brand
  1   "use client";
  2 ∨ import { useEffect, useState } from 'react';
  3   import Link from 'next/link';
  4
  5 ∨ type Brand = {
  6     id: string;
  7     name: string;
  8     logo: string;
  9   };
```

Membuat halaman home pertama kali

```
app > ⚙ page.tsx > ⓗ Home
 11   export default function Home() {
 12     const [brands, setBrands] = useState<Brand[]>([]);
 13
 14     useEffect(() => {
 15       const fetchBrands = async () => {
 16         const res = await fetch('/api/brands');
 17         const data = await res.json();
 18         setBrands(data);
 19       };
 20
 21       fetchBrands();
 22     }, []);}
```

menampilkan daftar merek sepatu dengan data yang diambil dari API

```
app > ⚙ page.tsx > ⓗ Home
 11   export default function Home() {
 23     return (
 24       <main className="container mx-auto p-6">
 25         <h1 className="text-4xl font-extrabold ☐text-gray-800 text-center mb-10">Step Up Your Game Discover the Best Sports Shoes Here!</h1>
 26         <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-8">
 27           {brands.map((brand) => (
 28             <Link
 29               key={brand.id}
 30               href={`/brands/${brand.id}`}
 31               className="group relative ☐bg-white shadow-xl rounded-lg overflow-hidden hover:scale-105 transition-transform duration-300"
 32             >
 33               <img
 34                 src={brand.logo}
 35                 alt={brand.name}
 36                 className="mx-auto w-28 h-28 object-contain p-4 transition-transform duration-300 group-hover:scale-110"
 37               />
 38               <div className="absolute inset-0 bg-gradient-to-t ☐from-black to-transparent opacity-40 group-hover:opacity-0 transition-opacity duratic
 39               <h2 className="mt-4 text-xl font-semibold ☐text-gray-800 ■group-hover:text-blue-500 text-center">{brand.name}</h2>
 40             </Link>
 41           ))}
 42         </div>
 43       </main>
 44     );
 45   }
```

Menambahkan daftar merek Sepatu di halaman home

```
app > ⚛ layout.tsx > ...
  1   import type { Metadata } from "next";
  2   import localFont from "next/font/local";
  3 | import Link from "next/link"; // Import Link from Next.js
  4   import "./globals.css";
  5
  6 | // Menambahkan font lokal
  7   const geistSans = localFont({
  8     src: "./fonts/GeistVF.woff",
  9     variable: "--font-geist-sans",
 10     weight: "100 900",
 11   });
 12   const geistMono = localFont({
 13     src: "./fonts/GeistMonoVF.woff",
 14     variable: "--font-geist-mono",
 15     weight: "100 900",
 16   });
```

Menambahkan font di layout.tsx

```
app > ⚛ layout.tsx > ...projek akhir\BAD_VIBRATIONS\app\page.tsx
 16   });
 17   export const metadata: Metadata = {
 18     title: "Sepatu Olahraga Keren",
 19     description: "Tampilan modern untuk katalog sepatu olahraga.",
 20   };
```

Mengganti nama website menjadi Sepatu olahraga keren

```tsx
app > ⚛ layout.tsx > ⓨ RootLayout
21    export default function RootLayout({
26      return (
27        <html lang="en">
28          <head>
29            <link rel="icon" href="/favicon.ico" />
30          </head>
31          <body
32            className={`${geistSans.variable} ${geistMono.variable} antialiased ■bg-gray-100 ☐text-gray-800`}
33          >
34            <div className="min-h-screen ■bg-gray-200">
35              {/* Navbar */}
36              <header className="py-6 px-8 ☐bg-gray-900 ■text-white shadow-md">
37                <nav className="flex justify-between items-center">
38                  <h1 className="text-3xl font-bold">
39                    <Link href="/">ShoesVerse</Link> {/* Link to Home */}
40                  </h1>
41                  <div className="space-x-6">
42                    <Link href="/" className="■hover:text-gray-400">Home</Link> {/* Home link */}
43                    <a href="#" className="■hover:text-gray-400">About</a>
44                    <a href="#" className="■hover:text-gray-400">Contact</a>
45                  </div>
46                </nav>
47              </header>
48
49              {/* Main Content */}
50              <main className="py-12 px-8">{children}</main>
51
52              {/* Footer */}
53              <footer className="☐bg-gray-900 ■text-white py-4 mt-6">
54                <div className="container mx-auto text-center text-sm">
55                  <p>© 2025 Bad Vibrations | All Rights Reserved</p>
56                </div>
57              </footer>
58            </div>
59          </body>
60        </html>
61      );
62    }
```
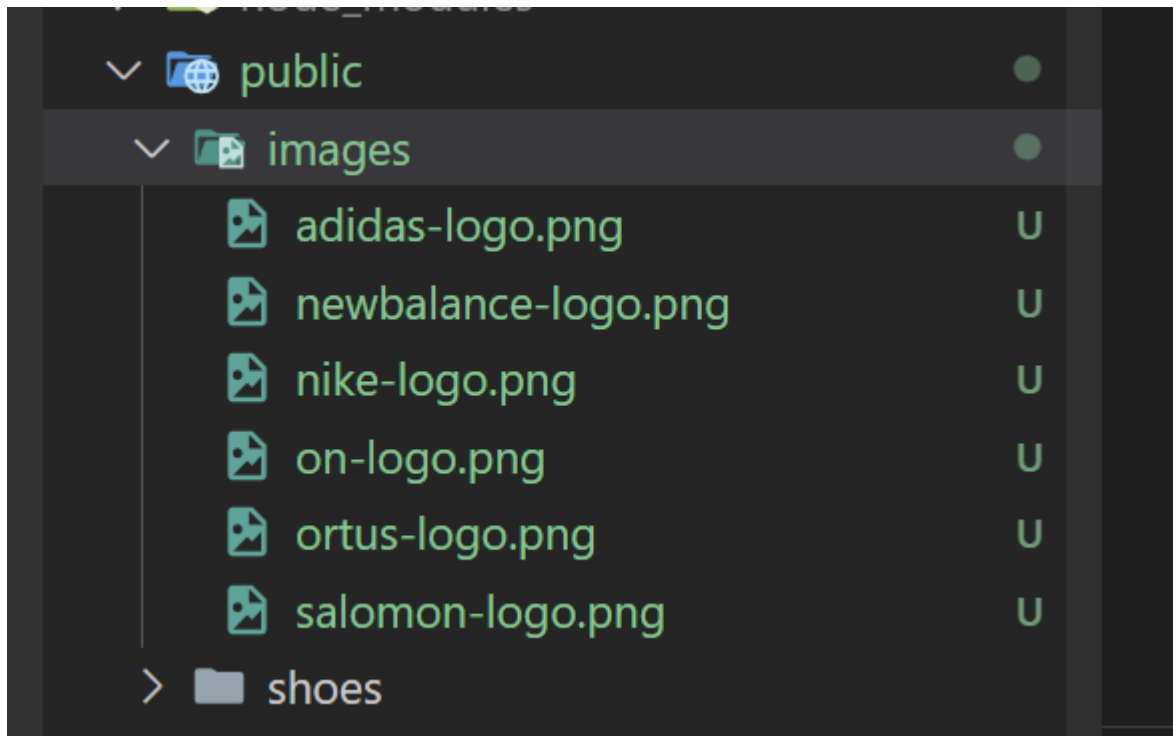
Menambahkan navbar, menu home,about,contact dan copyright

```css
app > 🗐 globals.css > 🎄 body
16   ∨ @media (prefers-color-scheme: dark) {
27     }
28     /* Mengatur dasar font dan background */
29     body {
30       color: var(--foreground);
31       background: var(--background);
32       font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
33       line-height: 1.6;
34       transition: background 0.3s ease, color 0.3s ease;
35     }
```

Mengatur font dan background dasar

Menambahkan folder public yang berisi images dan shoes

Sesi 2

```
/* Efek transisi untuk elemen */
a, button {
  transition: color 0.3s ease, background-color 0.3s ease;
}
```

Efek transisi untuk elemen

```
button {
  padding: 12px 24px;
  font-size: 16px;
  font-weight: 600;
  border: none;
  border-radius: 8px;
  background-color: var(--primary-color);
  color: #fff;
  cursor: pointer;
  box-shadow: var(--shadow-light);
  transition: background-color 0.3s ease, box-shadow 0.3s ease;
}
```

Menambahkan desain tombol

```css
button:hover {
  background-color: var(--secondary-color);
  box-shadow: var(--shadow-dark);
}

button:disabled {
  background-color: #d1d5db;
  cursor: not-allowed;
}
```

Menambahkan desain tombol

```css
a {
  color: var(--primary-color);
  text-decoration: none;
  font-weight: 600;
  transition: color 0.3s ease;
}

a:hover {
  color: var(--secondary-color);
}
```

Menambahkan desain link

```css
h1, h2, h3, h4, h5, h6 {
  font-family: 'Poppins', sans-serif;
  font-weight: 700;
  color: var(--foreground);
  text-transform: uppercase;
  letter-spacing: 0.05em;
}
```

Mengatur header dengan efek

```css
.card {
  background-color: var(--card-bg);
  border-radius: 12px;
  box-shadow: var(--shadow-light);
  padding: 20px;
  margin-bottom: 20px;
  transition: box-shadow 0.3s ease, transform 0.3s ease;
}

.card:hover {
  box-shadow: var(--shadow-dark);
  transform: translateY(-5px);
}
```

Menambahkan Kartu dengan bayangan dan sudut melengkung

```css
.grid-container {
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));
  gap: 20px;
  padding: 20px;
}

.grid-item {
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  padding: 20px;
  border-radius: 12px;
  box-shadow: var(--shadow-light);
  background-color: var(--card-bg);
  transition: box-shadow 0.3s ease, transform 0.3s ease;
}

.grid-item:hover {
  box-shadow: var(--shadow-dark);
  transform: translateY(-5px);
}
```

Menambahkan grid responsive untuk layout

```css
input, textarea, select {
  padding: 12px 20px;
  font-size: 16px;
  border-radius: 8px;
  border: 1px solid #ddd;
  margin-bottom: 12px;
  transition: border-color 0.3s ease;
}

input:focus, textarea:focus, select:focus {
  border-color: var(--primary-color);
  outline: none;
}
```
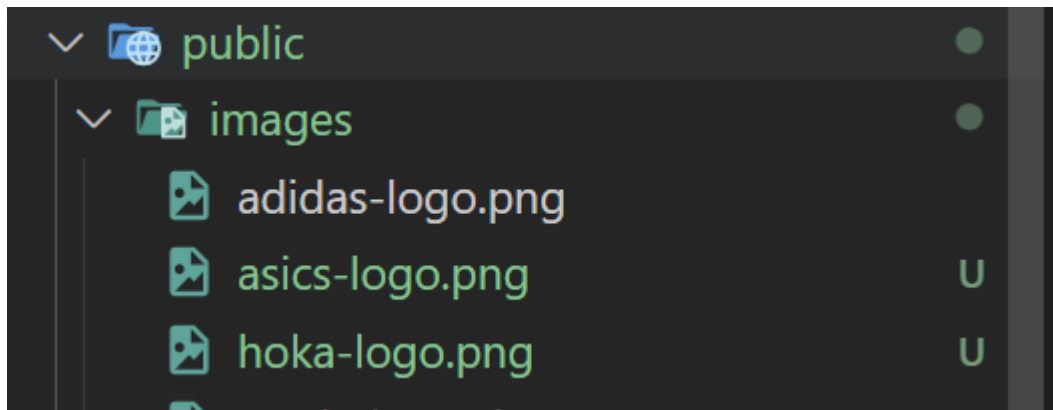
Menambahkan desain form input

```css
.loading {
  display: inline-block;
  border: 4px solid var(--primary-color);
  border-top: 4px solid transparent;
  border-radius: 50%;
  width: 30px;
  height: 30px;
  animation: spin 1s linear infinite;
}

@keyframes spin {
  0% { transform: rotate(0deg); }
  100% { transform: rotate(360deg); }
}

@layer utilities {
  .text-balance {
    text-wrap: balance;
  }
}
```
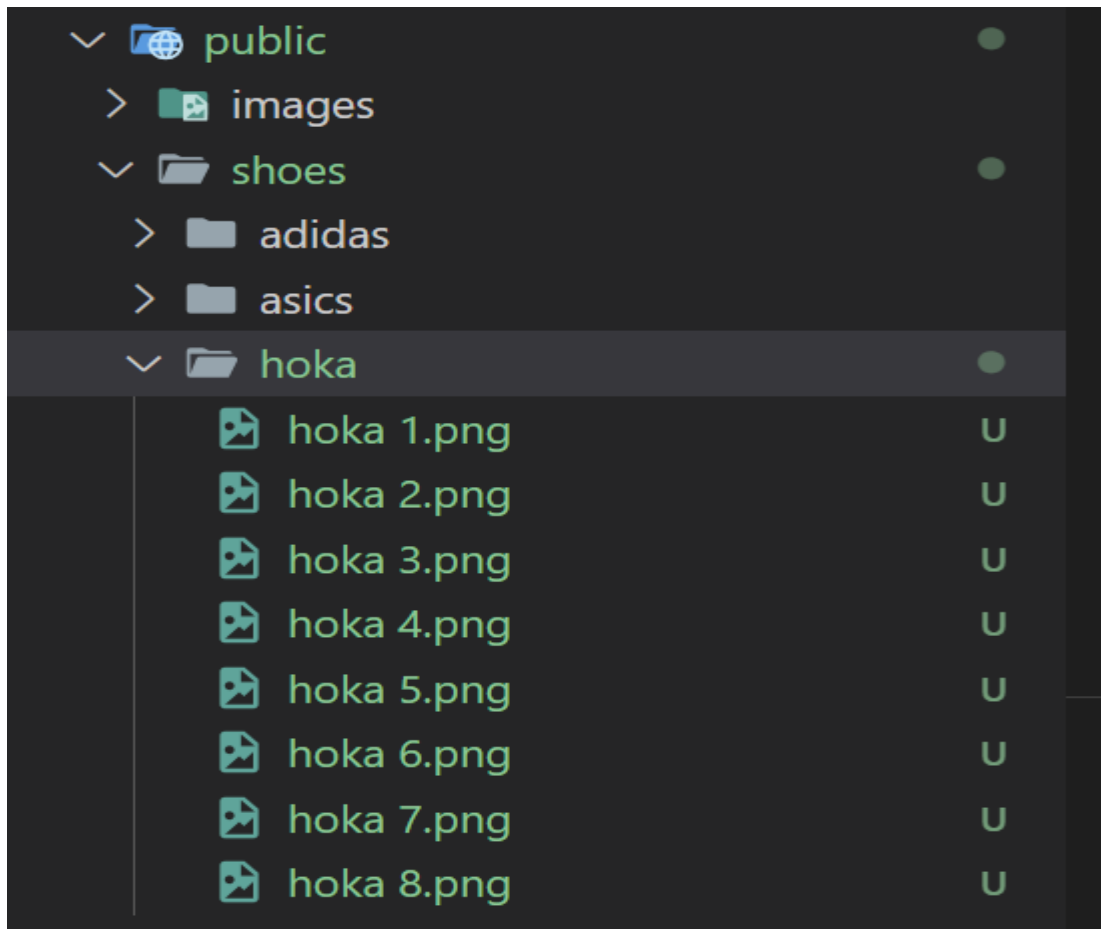
Menambahkan desain elemen loading

Menambahkan 2 logo brand baru asics dan hoka

Membuat folder baru bernama asics berisi 8 sepatu asics

Membuat folder baru Bernama hoka yang berisi 8 sepatu hoka

```
  { id: 'asics', name: 'Asics', logo: '/images/asics-logo.png' },
```

Menambahkan logo asics di api brands

```
{ id: 'hoka', name: 'Hoka', logo: '/images/hoka-logo.png' },
```

Menambahkan logo hoka di api brands

```
],
asics: [
  { id: '1', name: 'asics men novablast 5 ', image: '/shoes/asics/asics 1.png', price:  2000000, sizes: ['39', '40', '41','42','43', '44','45','46'] },
]
```

Menambahkan tampilan Sepatu asics

{ id: '2', name: 'asics men gel nimbus 27 standard ', image: '/shoes/asics/asics 2.png', price: 2599000, sizes: ['39', '40', '41','42','43', '44','45','46'] },

Menambahkan tampilan Sepatu asics gel nimbus

{ id: '3', name: 'asics men fujispeed 3 standard ', image: '/shoes/asics/asics 3.png', price: 2399000, sizes: ['39', '40', '41','42','43', '44','45','46'] },

Menambahkan tampilan Sepatu asics fujispeed

{ id: '4', name: 'asics men gel nimbus 27 deluxe standard ', image: '/shoes/asics/asics 4.png', price: 2799000, sizes: ['39', '40', '41','42','43', '44','45','46'] },

Menambahkan tampilan Sepatu asics gel nimbus deluxe

{ id: '5', name: 'asics unisex superblast 2 standard ', image: '/shoes/asics/asics 5.png', price: 3299000, sizes: ['39', '40', '41','42','43', '44','45','46'] },

Menambahkan tampilan Sepatu asics superblast

{ id: '6', name: 'asics women metafuji trail ', image: '/shoes/asics/asics 6.png', price: 5000000, sizes: ['37', '38', '39', '40', '41','42','43'] },

Menambahkan tampilan Sepatu asics metafuji

{ id: '7', name: 'asics women fujispeed 3 standard ', image: '/shoes/asics/asics 7.png', price: 2399000, sizes: ['37', '38', '39', '40', '41','42','43'] },

Menambahkan tampilan Sepatu asics fujispeed women

{ id: '8', name: 'asics women gel nimbus 27 standard ', image: '/shoes/asics/asics 8.png', price: 2599000, sizes: ['37', '38', '39', '40', '41','42','43'] },

Menambahkan tampilan Sepatu asics gel nimbus women

hoka:[
  { id: '', name: 'hoka men speedgoat 5 ', image: '/shoes/hoka/hoka 1.png', price: 2799000, sizes: ['39', '40', '41','42','43', '44','45','46'] },
]

Menambahkan tampilan Sepatu hoka speedgoat

```
{ id: '2', name: 'hoka unisex rocket x 2 ', image: '/shoes/hoka/hoka 2.png', price:  4499000, sizes: ['39', '40', '41','42','43', '44','45','46'] },
```

Menambahkan tampilan Sepatu hoka rocket

```
{ id: '3', name: 'hoka men Clifton 9 ', image: '/shoes/hoka/hoka 3.png', price:  2499000, sizes: ['39', '40', '41','42','43', '44','45','46'] },
}
```

Menambahkan tampilan Sepatu hoka Clifton

```
{ id: '4', name: 'hoka men speedgoat 5 ', image: '/shoes/hoka/hoka 4.png', price:  2799000, sizes: ['39', '40', '41','42','43', '44','45','46'] }
```

Menambahkan tampilan Sepatu hoka speedgoat

```
{ id: '5', name: 'hoka women Clifton 9 ', image: '/shoes/hoka/hoka 5.png', price:  2499000, sizes: ['37', '38', '39', '40', '41','42','43'] },
}
```

Menambahkan tampilan Sepatu hoka Clifton women