



100 YEARS *of* EXCELLENCE

KERJA KURSUS SAINS KOMPUTER 2022-2023

TAJUK: SISTEM SOKONGAN PEMILIHAN PEMBELIAN



NIO

Novelty. Innovate. Outperform.

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KELAS: 5 AKAS

NO. KAD PENGENALAN: 061206-01-0415

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ASPEK 5.3 PENGHARGAAN

Bersyukur saya ke atas izin tuhan yang Maha Esa kerana dengan limpahan rahmat serta nikmat masa, nyawa tenaga yang dianugerahkan kepada saya dapat juga saya menyiapkan kerja kursus Sains Komputer sebagai sebahagian syarat Peperiksaan Sijil Pelajaran Menengah (SPM) 2022 dalam tempoh masa yang ditetapkan dengan jayanya.

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Dalam proses pelaksanaan kerja kursus ini, saya dapat menambahkan ilmu pengetahuan saya dalam pembinaan laman web yang berfungsi. Teknik pengekodan saya juga menjadi lebih mahir sepanjang tempoh pelengkapkan kerja kursus ini.

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ISI KANDUNGAN LAPORAN

| <i>BIL.</i> | <i>TAJUK</i> | <i>HALAMAN</i> |
|-------------|-------------------------------------|----------------|
| 1. | PERAKUAN | <i>i</i> |
| 2. | PENGHARGAAN | <i>1</i> |
| 3. | ISI KANDUNGAN | <i>2</i> |
| 4. | FASA 1 (MENGANALISIS MASALAH) | <i>3-4</i> |
| 5. | TEMPOH KERJA | <i>5-6</i> |
| 6. | FASA 2 (MEREKA BENTUK PENYELESAIAN) | <i>7-17</i> |
| 7. | FASA 3 (MELAKSANAKAN PENYELESAIAN) | <i>18-76</i> |
| 8. | FASA 4 (MENGUJI DAN MENYAH RALAT) | <i>77</i> |
| 9. | FASA 5 (DOKUMENTASI) | <i>78</i> |
| 10. | FASA 6 (NILAI) | <i>79-92</i> |
| 11. | <i>LAMPIRAN</i> | <i>92-</i> |

FASA 1.0 MENGANALISIS MASALAH

ASPEK 1.1 PERNYATAAN MASALAH

Sistem Sokongan Pemilihan: Kami Bantu Anda Pilih

Situasi:

Pembelian sesuatu produk akan menjadi rumit apabila terdapat banyak pilihan yang menarik ditawarkan. Sering kali pilihan yang dibuat dipengaruhi oleh jurujual, rakan atau keinginan individu itu sendiri. Selain itu, pilihan yang dibuat berkemungkinan bukanlah pilihan yang terbaik atau mendatangkan implikasi yang negatif kepada si pemilih.

Justeru, satu sistem sokongan pemilihan pembelian diperlukan untuk membantu pembeli membuat pilihan yang terbaik berdasarkan kriteria yang diingini atau bersesuaian dengan keperluan pembeli.

- 1) Masalah yang saya sering dihadapi sewaktu memilih produk secara manual menggunakan katalog atau edaran kertas ialah:
 - a) Harga tidak dikemas kini dalam katalog.
 - b) Katalog tidak memaparkan produk yang saya ingin beli.
 - c) Tidak tahu bilangan stok yang sedia ada.
 - d) Katalog dan risalah menjelaskan alam sekitar kerana susah untuk dilupuskan.
 - e) Bilangan produk yang dipaparkan pada katalog menyusahkan dan memanjangkan masa pembuatan keputusan membeli.

ASPEK 1.2 OBJEKTIF

1. Membina satu aplikasi berasaskan web untuk membantu pelanggan memilih produk.
2. Memaparkan senarai produk mengikut jenis produk yang sama.
3. Memaparkan senarai produk mengikut harga.
4. Memaparkan senarai produk mengikut jenama.
5. Membina sistem yang dapat menambah pilihan produk dari semasa ke semasa.

ASPEK 1.3 SKOP

1. Sistem pemilihan produk ini khas untuk pelanggan-pelanggan yang ingin memilih produk mengikut kategori atau kriteria yang ingin dipilih sahaja.
2. Sistem ini hanya boleh memaparkan namaproduk dan harga yang dipilih sahaja.
3. Sistem ini membenarkan penjual menambah pilihan produk dari semasa ke semasa.

ASPEK 1.4 KUMPULAN SASARAN

1. Sistem ini khas untuk pelanggan yang ingin memilih alat elektronik.
2. Sistem ini khas untuk penjual menambah pilihan produk dari semasa ke semasa.

ASPEK 1.5 MENILAI SISTEM SEDIA ADA

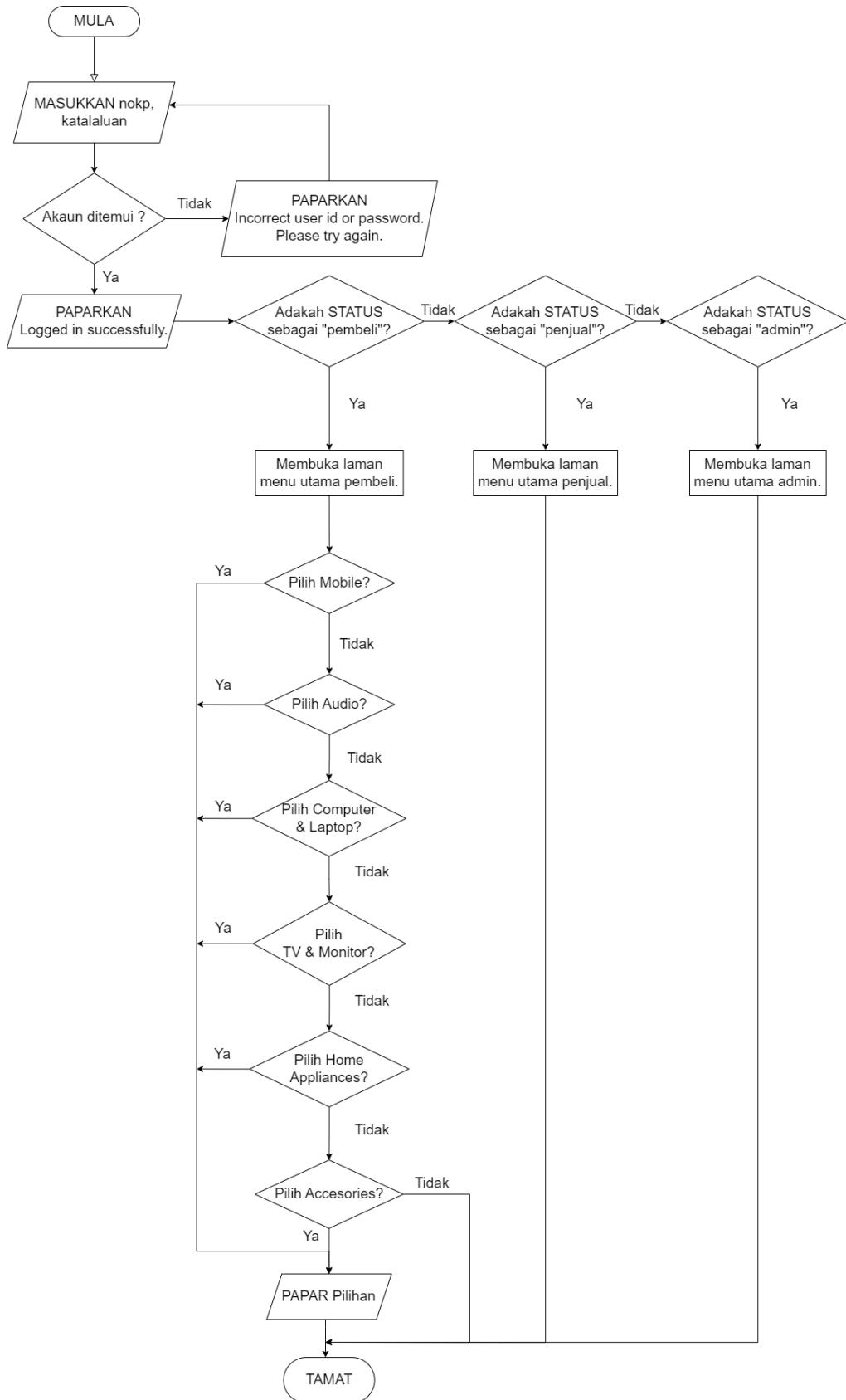
- 1) Fungsi sistem sedia ada dan kekuatan serta kelemahan pemilihan produk menggunakan katalog, edaran kertas, promosi (flyers) dan pergi ke kedai ialah :
 - i) Kelebihan sistem sedia ada ialah pengguna tidak perlu membayar sesuatu untuk mendapat edaran kertas
 - ii) Kelebihan sistem sedia ada ialah perkhidmatan selepas jualan adalah lebih mudah.
 - iii) Kelebihan sistem sedia ada ialah sasaran katalog adalah ramai.
 - iv) Kelemahan sistem sedia ada ialah pengguna tidak dapat menentukan apakah produk yang lebih sesuai.
 - v) Kelemahan sistem sedia ada ialah proses pembandingan harga lebih sukar dijalankan kerana memerlukan banyak katalog.
 - vi) Kekurangan sistem ada ialah harga produk biasanya lebih tinggi kerana kos menjalankan perniagaan yang tinggi.
- 2) Justifikasi sistem baharu
 - a) Sistem ini memaparkan produk mengikut kategori harga.
 - b) Sistem ini memaparkan produk mengikut kategori jenama.
 - c) Sistem ini memaparkan senarai produk mengikut jenis produk yang sama.
 - d) Sistem ini membolehkan penambahan pilihan produk dari semasa ke semasa.
- 3) Nama sistem sokongan pemilihan pembelian secara atas talian yang dibina ialah:
NIO

ASPEK 1.6 TEMPOH KERJA

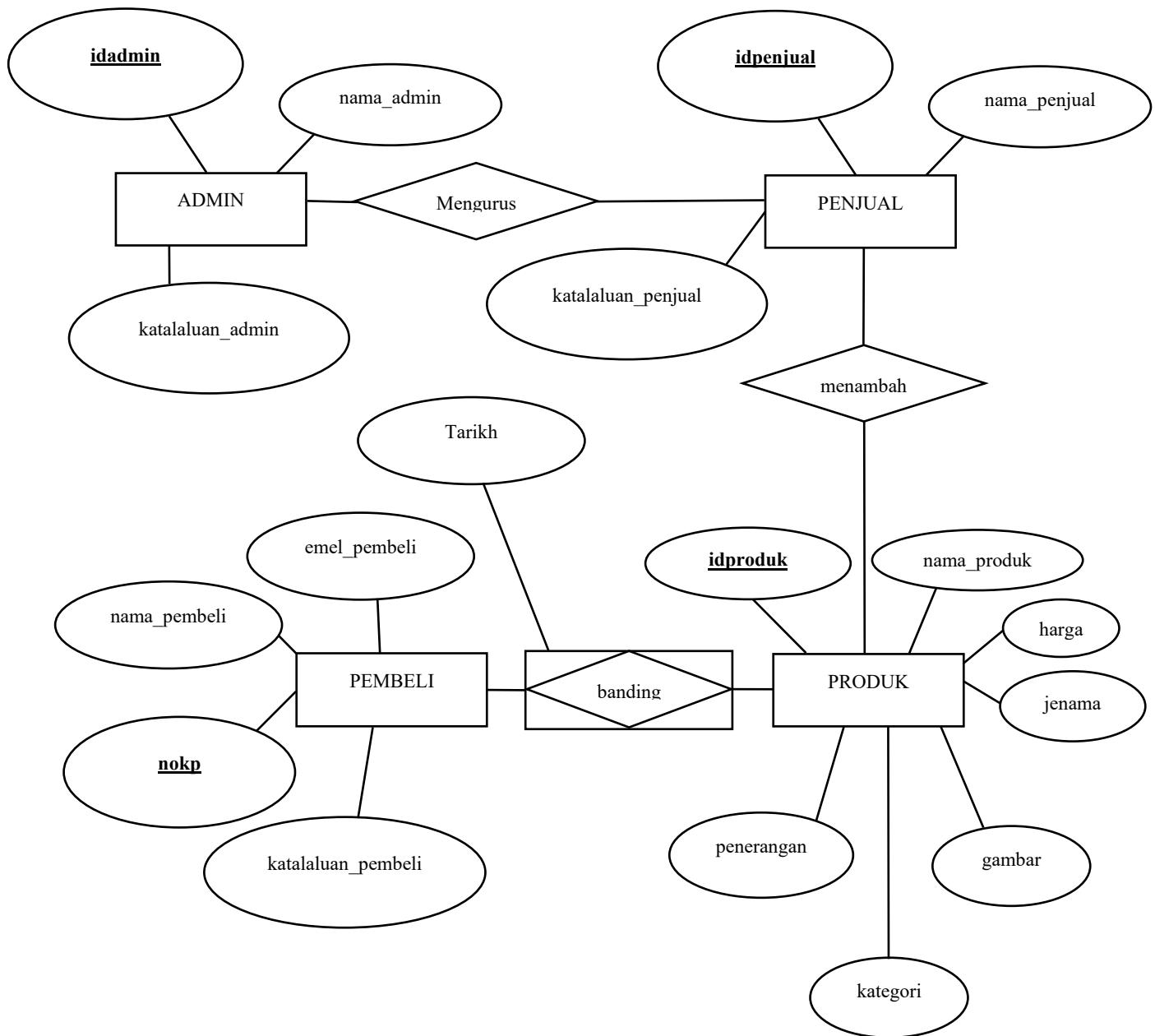
| | |
|---|--|
| Membina Query mengikut tema | |
| Membina halaman Laporan mengikut tema | |
| Melengkapkan kod aturcara projek | |
| Menyediakan laporan Fasa 3 | |
| Fasa 4 : Ujilari dan Nyah-ralat | |
| Menguji sistem dengan set data yang relevan | |
| Menguji had atas dan bawah data, had input | |
| Menyemak ralat sintaks, logik dan masa larian | |
| Menyediakan laporan Fasa 4 | |
| Fasa 5 : Dokumentasi | |
| Melengkapkan laporan untuk setiap fasa | |
| Menyenaraikan sumber rujukan & penghargaan | |
| Menyediakan manual pengguna | |
| Menyiapkan laporan folio projek | |

FASA 2.0 MEREKA BENTUK PENYELESAIAN

2.1 ALGORITMA

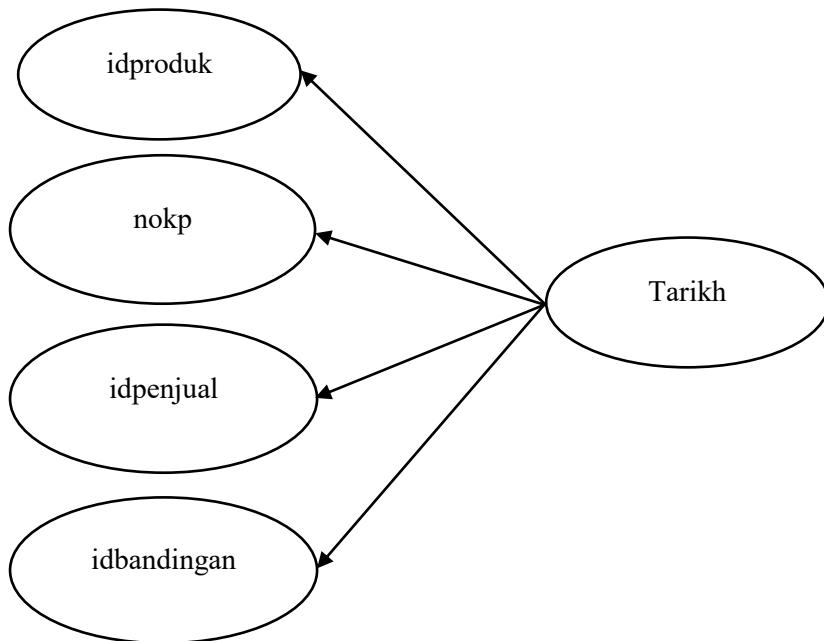


2.2 ERD



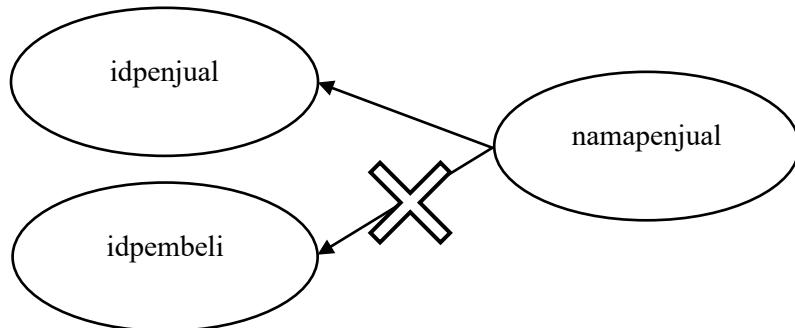
2.3 PENORMALAN

Kebergantungan Fungsi Sepenuh



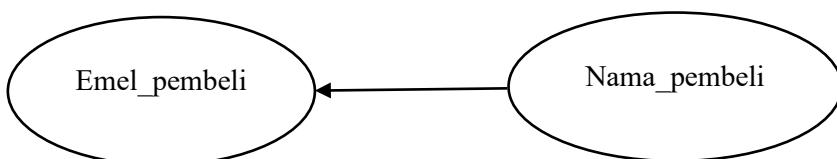
Perhatikan bahawa atribut Tarikh bergantung kepada semua kunci primer iaitu **idproduk**, **nokp**, **idpenjual** dan **idbandingan** dalam kebergantungan fungsi sepenuh. Sekiranya tiada salah satu kunci primer, pembandingan produk tidak dapat dijalankan.

Kebergantungan Fungsi Separa



Perhatikan juga bahawa atribut **Nama_Admin** bergantung kepada **Emel_Admin** sahaja dan bukan kedua-dua **Emel_Pembeli** dan **Emel_Admin** dalam kebergantungan fungsi separa.

Kebergantungan Fungsi Transitif



Perhatikan bahawa atribut **Komen** bergantung kepada **Emel_pembeli** yang bukan sebagai Kunci Primer dalam kebergantungan fungsi transitif.

| Bentuk normal | Penjelasan |
|---------------|---|
| 1NF | <p>1. Objektif:</p> <ul style="list-style-type: none"> a. Pastikan lajur adalah atomik. b. Kenal pasti kunci primer dalam jadual. <p>2. Isu: Jadual mempunyai kedua-dua kebergantungan fungsi sepenuh dan kebergantungan fungsi separa.</p> <p>1NF: BANDINGAN (idbandingan<KP>, idproduk<KP>, nokp<KP>, idpenjual<KP>, idpembeli <KP> nama_Produk, harga, gambar, penerangan, jenama, kategori, nama_admin, katalaluan_admin, nama_pembeli, katalaluan_pembeli, nama_penjual, katalaluan_penjual, tarikh)</p> |
| 2NF | <p>1. Objektif:</p> <ul style="list-style-type: none"> a. Jadual tiada kebergantungan fungsi separa. b. Semua jadual hubungan mempunyai kebergantungan fungsi sepenuh sahaja. c. Setiap satu jadual hubungan mempunyai atribut kunci primer. <p>2. Isu: Namun, mungkin terdapat kebergantungan fungsi transitif antara atribut-atribut yang belum dikenal pasti.</p> <p>2NF: BANDINGAN (idbandingan <KP>, idproduk <KP><KA>, idpembeli <KP><KA>, tarikh) ADMIN (idadmin <KP>, nama_admin, katalaluan_admin) PEMBELI (nokp <KP>, nama_pembeli, emel_pembeli, katalaluan_pembeli) PENJUAL (idpenjual <KP>, nama_penjual, katalaluan_penjual) PRODUK (idproduk <KP>, nama_produk, harga, gambar, kategori, jenama, penerangan)</p> |
| 3NF | <p>1. Objektif: Hapuskan kebergantungan fungsi transitif dalam jadual jika ada.</p> <p>2. Isu: Tiada isu. Akhirnya, semua jadual hubungan tidak mempunyai kebergantungan fungsi separa maupun transitif.</p> <p>3NF: BANDINGAN (idbandingan <KP>, idproduk <KP><KA>, idpembeli <KP><KA>, tarikh) ADMIN (idadmin <KP>, nama_admin, katalaluan_admin) EMEL (emel_pembeli<KP>,nama_pembeli) PEMBELI (nokp <KP>, nama_pembeli, emel_pembeli, katalaluan_pembeli) PENJUAL (idpenjual <KP>, nama_penjual, katalaluan_penjual) PRODUK (idproduk <KP>, nama_produk, harga, gambar, kategori, jenama, penerangan)</p> |

logo.png

11

Menu Utama

User

shop

Produk.png

Nama Produk

Jenama

Deskripsi

Harga

Add to comparison

Featured products

Produk5.png

Produk6.png

Nama Produk

Jenama

Nama Produk

Jenama

Deskripsi

Harga



Deskripsi

Harga



Produk8.png

Produk7.png

Nama Produk

Jenama

Nama Produk

Jenama

Deskripsi

Harga



Deskripsi

Harga



logo.png

12

Menu produk

User

shop

Mobile



Computing



Appliances



Audio



Accessory



All



Produk.png

Harga

Add to comparison

Produk

Produk1.png

Produk2.png

Produk3.png

Produk4.png



Logo.png

Sign up

Create your nio account

User ID

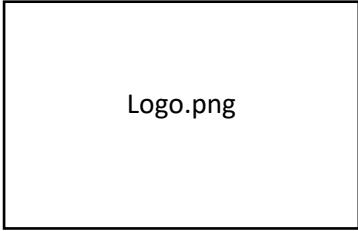
Email

Password

Name

Next

Cancel



Logo.png

Log in

Log in to your nio account

Email/User ID

Password

Create an account

Import data

Logo.png

Import Data

Table



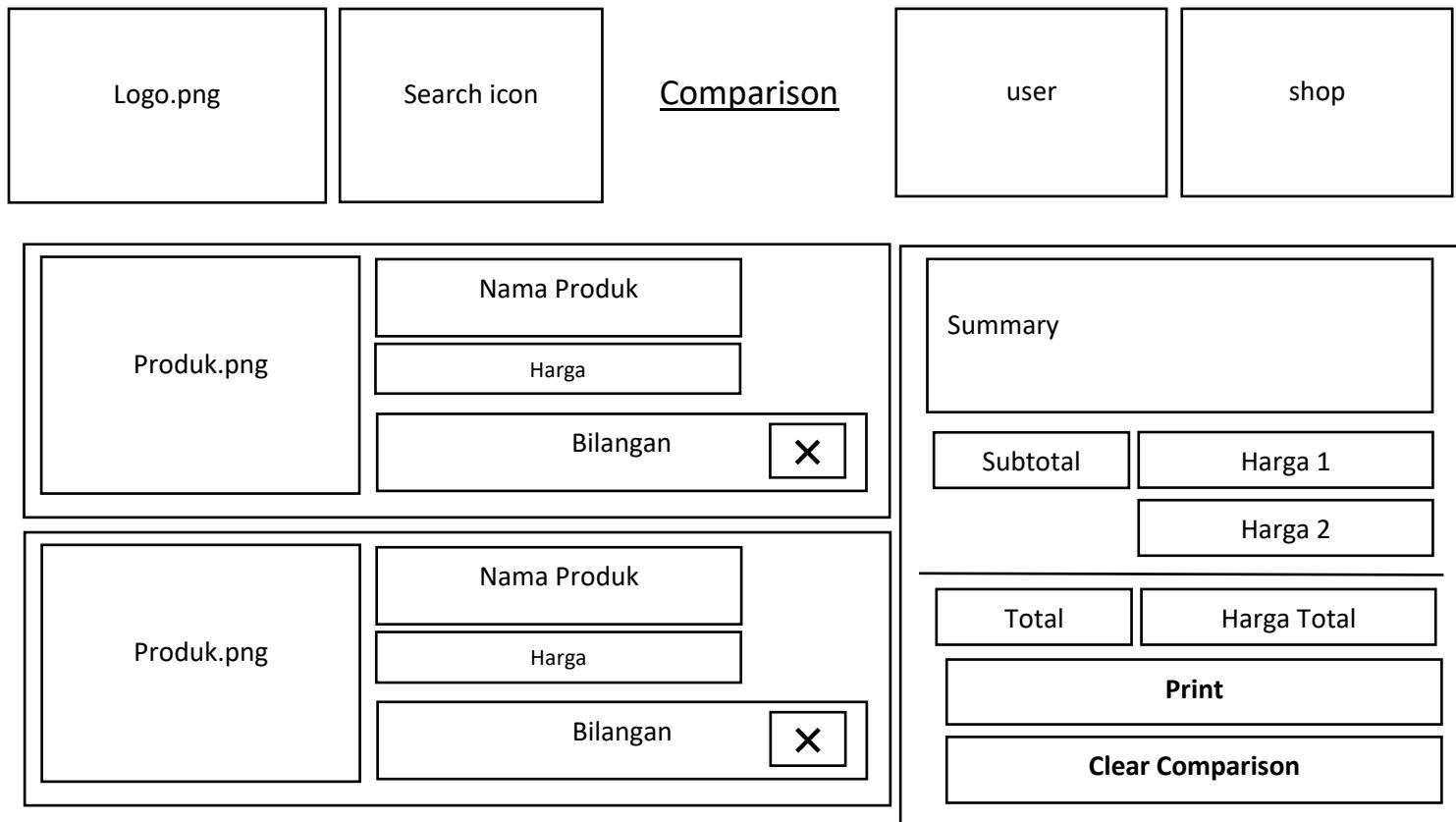
File name

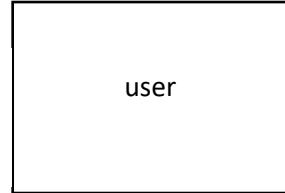
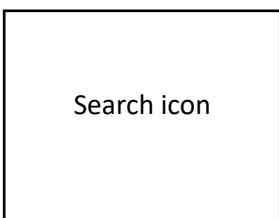
Upload

tem.csv



Import



Katalog

| | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|
| Kategori1 | Kategori2 | Kategori3 | Kategori4 | Kategori5 | Kategori6 |
|-----------|-----------|-----------|-----------|-----------|-----------|

Nama Kategori



| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

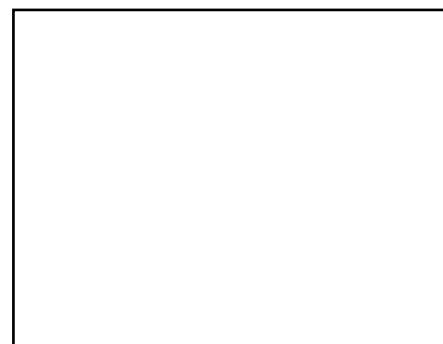
| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |



| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |



| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

| | |
|-------------|-------|
| Nama Produk | |
| Keterangan | Harga |

FASA 3.0 MELAKSANAKAN PENYELESAIAN

ASPEK 3.1 JADUAL

1. Jadual Pembeli

Showing rows 0 - 1 (2 total, Query took 0.0011 seconds.)

```
SELECT * FROM `pembeli`
```

| | nokp | emelpembeli | namapembeli | katalaluan |
|---|--------------|-----------------------|-------------|------------|
| 1 | 1010101010 | philips1012@gmail.com | PHILIPS | 1234 |
| 2 | 222211112222 | sena@gmail.com | Senna | sena |

Table structure

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|-------------|--------------|--------------------|------------|------|---------|----------|-------|---|
| 1 | nokp | varchar(12) | utf8mb4_general_ci | | No | | | | Change Drop Primary Unique More |
| 2 | emelpembeli | varchar(255) | utf8mb4_general_ci | | No | | | | Change Drop Primary Unique More |
| 3 | namapembeli | varchar(20) | utf8mb4_general_ci | | No | | | | Change Drop Primary Unique More |
| 4 | katalaluan | varchar(8) | utf8mb4_general_ci | | No | | | | Change Drop Primary Unique More |

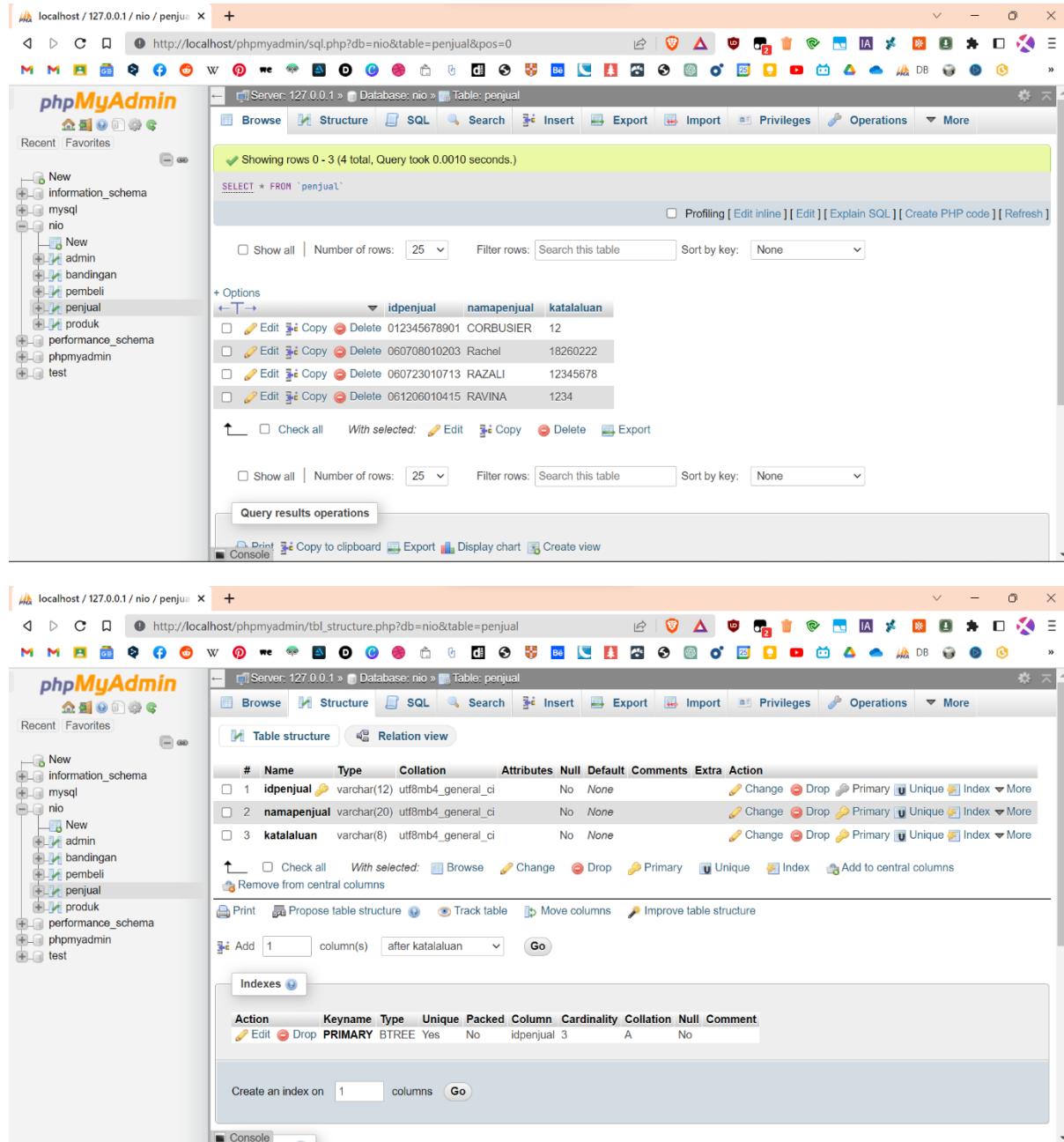
Indexes

| Action | Keyname | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|---|---------|-------|--------|--------|--------|-------------|-----------|------|---------|
| Edit Drop | PRIMARY | BTREE | Yes | No | nokp | 1 | A | No | |

Atribut bagi jadual pembeli ialah nokp, ,emelpembeli, namapembeli, katalaluan.

Kunci Primer bagi jadual ini ialah nokp.

2. Jadual Penjual



The screenshot shows two instances of the phpMyAdmin interface. The top instance displays the 'penjual' table data, while the bottom instance shows the table structure.

Table Data (penjual):

| | idpenjual | namapenjual | katalaluan |
|---|--------------|-------------|------------|
| 1 | 012345678901 | CORBUSIER | 12 |
| 2 | 060708010203 | Rachel | 18260222 |
| 3 | 060723010713 | RAZALI | 12345678 |
| 4 | 061206010415 | RAVINA | 1234 |

Table Structure (penjual):

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|-------------|-------------|--------------------|------------|------|---------|----------|-------|---|
| 1 | idpenjual | varchar(12) | utf8mb4_general_ci | | No | None | | | Change Drop Primary Unique Index More |
| 2 | namapenjual | varchar(20) | utf8mb4_general_ci | | No | None | | | Change Drop Primary Unique Index More |
| 3 | katalaluan | varchar(8) | utf8mb4_general_ci | | No | None | | | Change Drop Primary Unique Index More |

Atribut bagi jadual penjual ialah idpenjual, namapenjual, dan katalaluan.

Atribut bagi jadual bandingan ialah idpenjual, namapenjual, katalaluan.

Kunci Primer bagi jadual ini ialah idpenjual.

3. Jadual bandingan

The screenshot shows two instances of the phpMyAdmin interface. The top instance displays the 'bandingan' table data, while the bottom instance shows the 'Table structure' for the 'bandingan' table.

Table Data (Top Screenshot):

| | idbandingan | nokp | idproduk | kuantiti | tarikh |
|---|-------------|--------------|----------|----------|------------|
| 1 | 18 | 101010101010 | 0074 | 1 | 2023-07-08 |
| 2 | 19 | 222211112222 | 0066 | 1 | 2023-07-08 |
| 3 | 21 | 101010101010 | 0218 | 1 | 2023-07-08 |

Table Structure (Bottom Screenshot):

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|-------------|-------------|--------------------|------------|------|---------|----------|----------------|--|
| 1 | idbandingan | int(12) | utf8mb4_general_ci | | No | None | | AUTO_INCREMENT | Change Drop Primary More |
| 2 | nokp | varchar(12) | utf8mb4_general_ci | | No | None | | | Change Drop Primary More |
| 3 | idproduk | varchar(4) | utf8mb4_general_ci | | No | None | | | Change Drop Primary More |
| 4 | kuantiti | int(12) | | | No | None | | | Change Drop Primary More |
| 5 | tarikh | date | | | No | None | | | Change Drop Primary More |

Atribut bagi jadual bandingan ialah idbandingan, nokp, idproduk dan tarikh.

Kunci Primer bagi jadual ini ialah idbandingan.

Jadual ini mempunyai dua kunci asing iaitu nokp dari jadual pembeli dan idproduk dari jadual produk.

4.Jadual Produk

The screenshot shows the 'produk' table in the 'nio' database. The table has columns: idproduk, namaproduk, keterangan, category, brand, gambar, harga, and idpenjual. The data includes various mobile phones and a laptop.

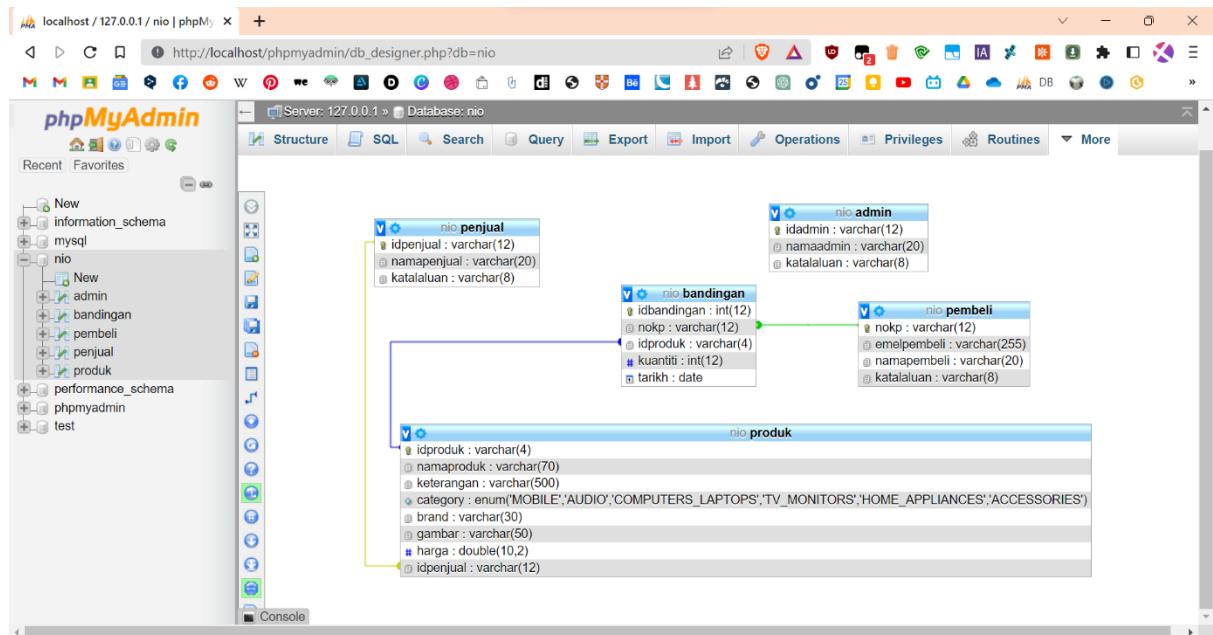
| | idproduk | namaproduk | keterangan | category | brand | gambar | harga | idpenjual |
|--------------------------|----------|-------------------------|---|-------------------|--------|---------------------------|----------|--------------------|
| <input type="checkbox"/> | 0002 | Sony Xperia PRO-I | Be creative, with Xperia PRO-I's redefined camera. | MOBILE | Sony | pimg2.jpg | 6299.00 | 061206000000000000 |
| <input type="checkbox"/> | 0003 | iPhone 14 Pro Max | Pro. Beyond. (1TB) | MOBILE | Apple | pimg3.jpg | 8299.00 | 061206000000000000 |
| <input type="checkbox"/> | 0005 | Xiaomi 13 Pro | Behind the masterpiece. | MOBILE | Xiaomi | pimg7.png | 5999.00 | 061206000000000000 |
| <input type="checkbox"/> | 0007 | Vivo X90 Pro+ | Pro Photography in Pocket, now with Snapdragon 8 G... | MOBILE | Vivo | pimg6.png | 5999.00 | 061206000000000000 |
| <input type="checkbox"/> | 0010 | Asus Zenbook Pro Duo 15 | The laptop of tomorrow. | COMPUTERS_LAPTOPS | Asus | DM_20230214131846_001.png | 14999.00 | 061206000000000000 |

The screenshot shows the structure of the 'produk' table. It has eight columns: idproduk, namaproduk, keterangan, category, brand, gambar, harga, and idpenjual. The 'category' column is defined as an enum type with values: MOBILE, AUDIO, COMPUTERS_LAPTOPS, TV_M... The 'harga' column is defined as double(10,2).

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|------------|--|--------------------|------------|------|---------|----------|-------|--|
| 1 | idproduk | varchar(4) | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 2 | namaproduk | varchar(70) | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 3 | keterangan | varchar(500) | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 4 | category | enum('MOBILE','AUDIO','COMPUTERS_LAPTOPS','TV_M...') | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 5 | brand | varchar(30) | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 6 | gambar | varchar(50) | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 7 | harga | double(10,2) | | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |
| 8 | idpenjual | varchar(12) | utf8mb4_general_ci | | No | None | | | <input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> More |

Atribut bagi jadual produk ialah idproduk, namaproduk, keterangan, category, brand, gambar, harga dan idpenjual. Kunci Primer bagi jadual ini ialah idproduk. Jadual ini mempunyai satu Kunci Asing iaitu idpenjual dari jadual penjual.

5. Jadual hubungan antara jadual



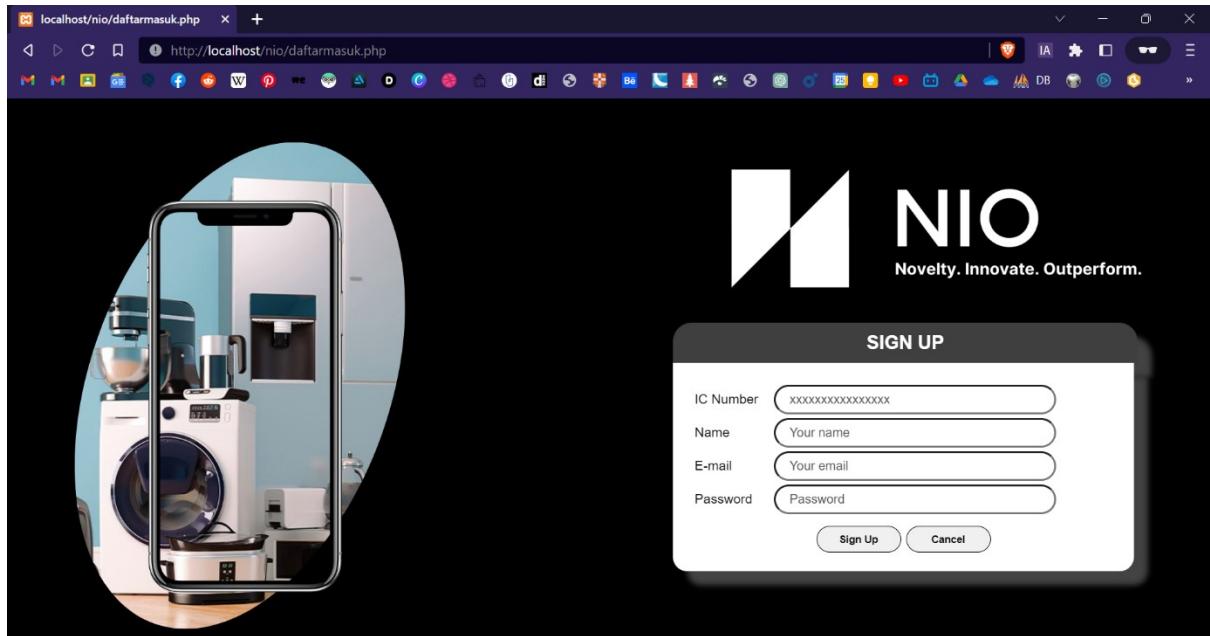
| Nama Jadual | Kunci Primer | Kunci Asing |
|-------------|--------------|----------------|
| bandingan | idbandingan | nokp, idproduk |
| pembeli | nokp | - |
| penjual | idpenjual | - |
| produk | idproduk | Idpenjual |
| admin | Idadmin | - |

Kekardinalan

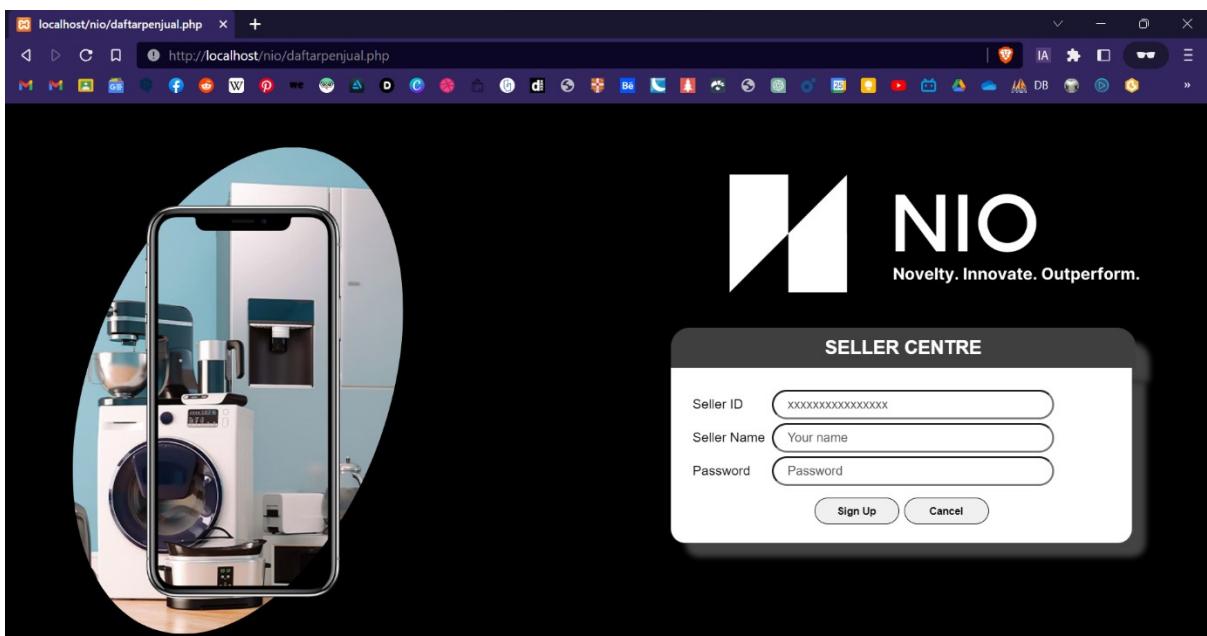
1. Seorang penjual memuat naik banyak produk.
2. Ramai pembeli membanding banyak produk.
3. Seorang admin mengurus ramai penjual.

ASPEK 3.2 BORANG

1. Laman daftar masuk pengguna

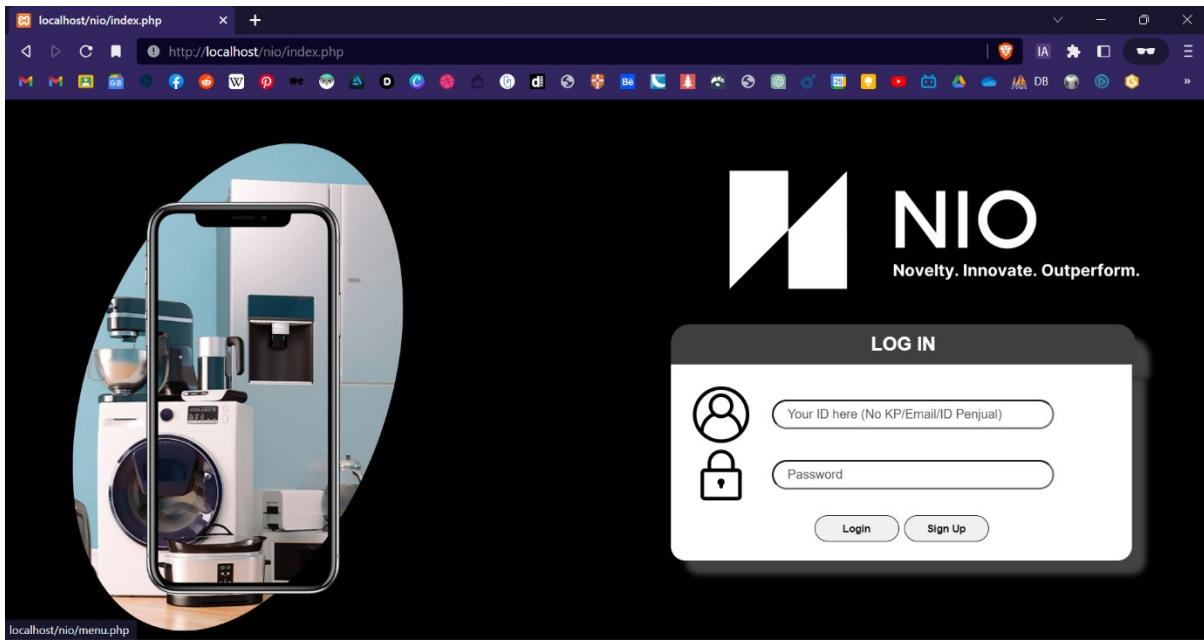


Pengguna boleh mendaftar sebagai pembeli melalui laman ini.



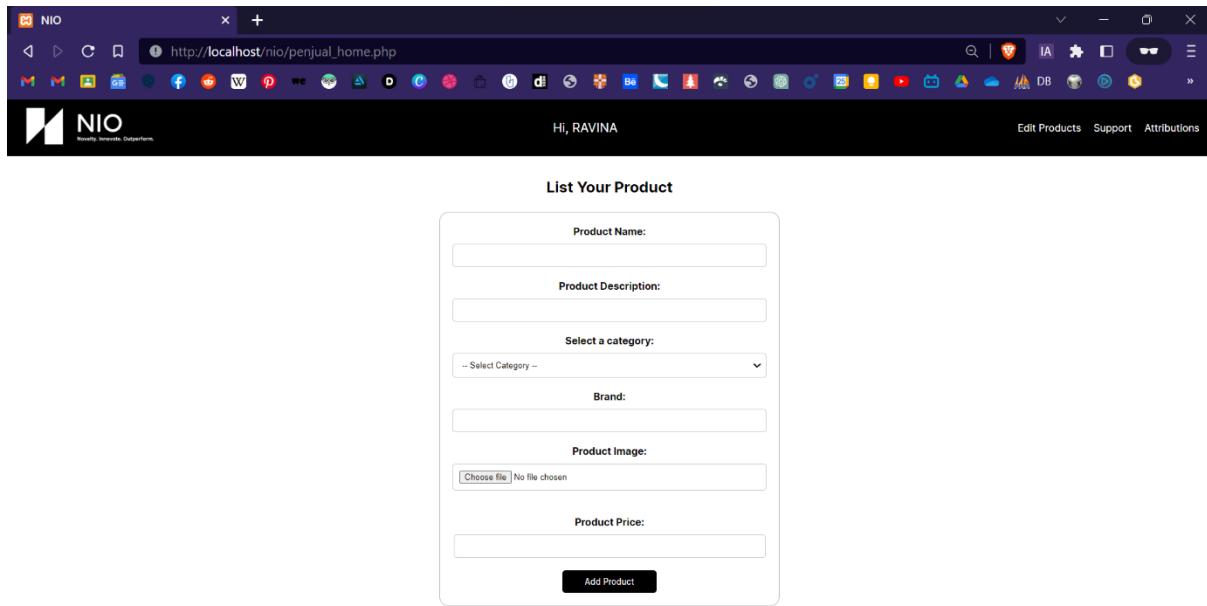
Pengguna boleh mendaftar sebagai penjual melalui laman ini.

2. Laman log masuk



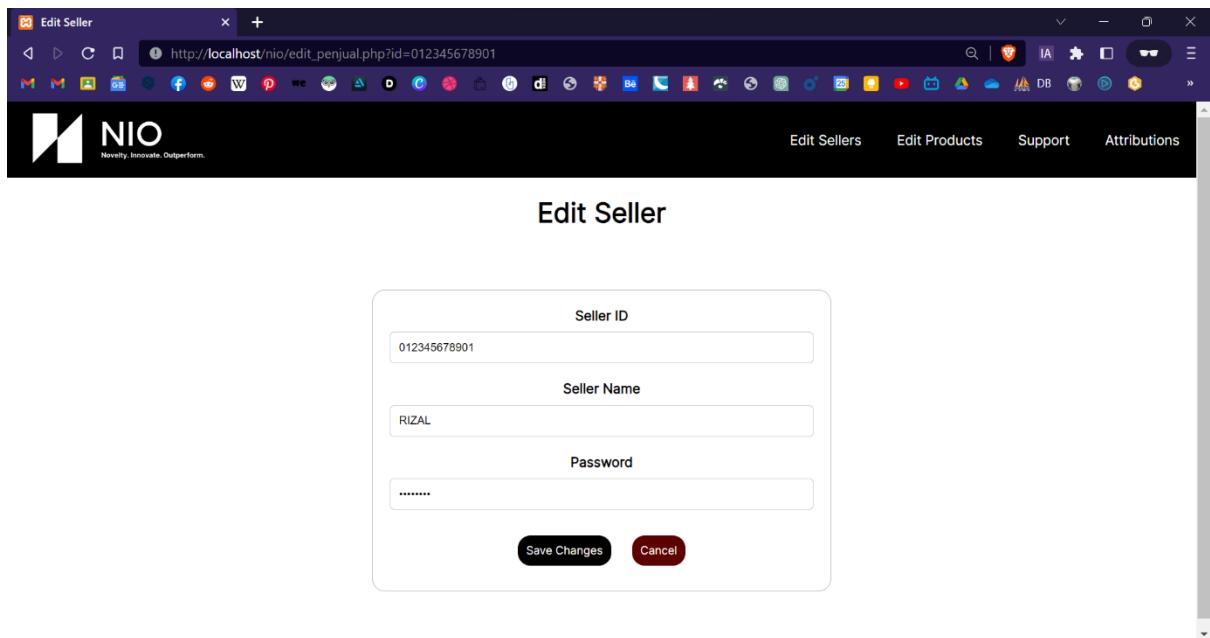
Pengguna boleh log masuk melalui laman ini sebagai pembeli, penjual atau admin.

3. Laman muat naik produk.



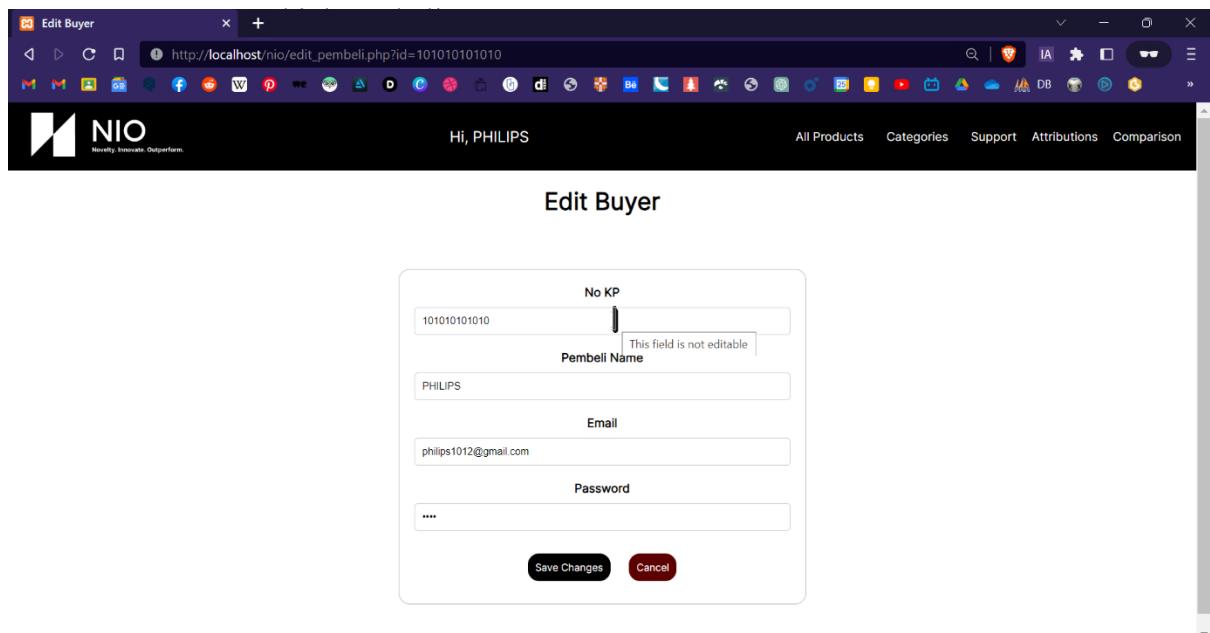
Penjual boleh memuat naikkan produk melalui laman ini.

4. Laman mengemas kini penjual



The screenshot shows a web browser window titled 'Edit Seller'. The URL is http://localhost/nio/edit_perjual.php?id=012345678901. The page features the NIO logo and navigation links for 'Edit Sellers', 'Edit Products', 'Support', and 'Attributions'. The main content area is titled 'Edit Seller' and contains three input fields: 'Seller ID' (012345678901), 'Seller Name' (RIZAL), and 'Password' (*****). At the bottom are 'Save Changes' and 'Cancel' buttons.

Pengguna yang log masuk sebagai admin boleh mengemas kini maklumat penjual.



The screenshot shows a web browser window titled 'Edit Buyer'. The URL is http://localhost/nio/edit_pembeli.php?id=101010101010. The page features the NIO logo and a greeting 'Hi, PHILIPS'. Navigation links include 'All Products', 'Categories', 'Support', 'Attributions', and 'Comparison'. The main content area is titled 'Edit Buyer' and contains four input fields: 'No KP' (101010101010) with a note 'This field is not editable', 'Pembeli Name' (PHILIPS), 'Email' (philips1012@gmail.com), and 'Password' (*****). At the bottom are 'Save Changes' and 'Cancel' buttons.

Pengguna yang boleh mengemas kini maklumat sendiri kecuali nokp bagi pembeli, idpenjual bagi penjual dan idadmin bagi admin.

The screenshot shows a web browser window titled "Edit Product". The URL in the address bar is "http://localhost/nio/edit_product.php?id=0066". The page header includes the NIO logo and links for "Edit Sellers", "Edit Products", "Support", and "Attributions". The main content is a form titled "Edit Product" for an item named "AirPods Pro (2nd generation)". The form fields are as follows:

- Product Name:** AirPods Pro (2nd generation)
- Product Description:** Rebuilt from the sound up.
- Product Category:** Audio
- Brand:** Apple
- Product Image:** Choose file (No files chosen)
- Product Price:** 1099.00

At the bottom of the form are two buttons: "Save Changes" (black) and "Cancel" (red).

Pengguna yang telah log masuk sebagai admin mempunyai kuasa mengemas kini semua produk.

Pengguna yang telah log masuk sebagai penjual hanya boleh mengemaskini produk yang telah dimuat naik olehnya.

ASPEK 3.3 QUERY

1. Mencari produk

NIO Novelty. Innovate. Outperform.

Hi, PHILIP All Products Categories Support Attributions Comparison

Enter to search...

Samsung Galaxy Z Fold 4

Stands out. Stands up. Unfold

SAMSUNG

RM 6899

Sony Bravia XR A80K

Supreme. Pictures and sound

SONY

RM 22999

Sony Xperia PRO-I

Be creative, with Xperia PRO-I's redefined camera.

RM6299.00 Add to Comparison

Sony Xperia 1 IV

4K HDR 120fps, true optical zoom 85-125mm.

RM5299.00 Add to Comparison

Sony HT-A9

A new frontier of surround sound.

RM7299.00 Add to Comparison

Coding bagi query ini:

```
<!DOCTYPE html>
<html>
<head>
    <title>NIO</title>
    <link rel="stylesheet" href="search.css">
    <link rel="stylesheet" href="nio.css">
    <link rel="stylesheet" href="product.css">
    <link rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/font-
        awesome/6.3.0/css/all.min.css"/>
    <meta name="viewport" content="width=device-width, initial-
        scale=1.0">
    <meta charset="UTF-8">
</head>
<body>
<header class="nio-header">
    <a href="menu.php"></a>
    <!-- bar navigasi -->
    <nav class="nio-nav">
        <ul>
            <!-- menu dropdown -->
            <li><a href="product.php">All Products</a></li>
            <div class="dropdown">
                <button class="dropbtn">Categories</button>
                <div class="dropdown-content">
                    <a href="mobile.php">Mobile</a>
                    <a href="audio.php">Audio</a>
                    <a href="c&l.php">Computers & Laptops</a>
                    <a href="tv&m.php">TV & Monitors</a>
                    <a href="ha.php">Home Appliances</a>
                    <a href="accessories.php">Accessories</a>
                </div>
            </div>
            <li><a href="support.php">Support</a></li>
            <li><a href="profile.php">Attributions</a></li>
            <?php
                session_start();
                if (isset($_SESSION["status"])) {
                    //tidak memaparkan butang login/signup sekiranya telah
                    mempunyai status (telah log masuk)
                } else {
                    echo '<a href="home.php" class="btn signup-btn">Sign
Up</a> <a href="index.php" class="btn login-btn">Login</a>';
                }
            ?>
        </ul>
    </nav>
</header>
```

```

</nav>
</header>
<!-- search bar -->
<form method="get" action=<?php echo $_SERVER['PHP_SELF']; ?>>
  <div class="input-box">
    <input type="text" placeholder="Enter to search..." id="searchInput" name="search">
    <span class="icon">
      <i class="fa fa-search search-icon"></i>
    </span>
    <i class="fa fa-times close-icon"></i>
  </div>
</form>
<script>
  //animasi interaksi untuk search bar
  let inputBox = document.querySelector(".input-box");
  let searchIcon = document.querySelector(".search-icon");
  let closeIcon = document.querySelector(".close-icon");
  let searchInput = document.querySelector("#searchInput");

  searchIcon.addEventListener("click", () => {
    inputBox.classList.add("open");
    searchInput.focus();
  });

  closeIcon.addEventListener("click", () => {
    inputBox.classList.remove("open");
    searchInput.value = "";
  });

  searchInput.addEventListener("keydown", (event) => {
    if (event.key === "Enter") {
      event.preventDefault();
      searchInput.form.submit();
    }
  });
  if (performance.navigation.type === 1) {
    let searchInput = document.querySelector("#searchInput");
    searchInput.value = "";
    let url = new URL(window.location.href);
    url.searchParams.delete('search');
    window.history.replaceState(null, null, url);
  }
</script>

<?php
//sambungan ke pangkalan data
include("connection.php");

```

```

//arahan sql sekiranya pengguna menggunakan fungsi search
if (isset($_GET['search'])) {
    $search = mysqli_real_escape_string($con, $_GET['search']);
    $sql = "SELECT * FROM produk WHERE namaproduk LIKE '%$search%'"
ORDER BY category ASC";
} else {
    $sql = "SELECT * FROM produk ORDER BY category ASC LIMIT 0";
}
?>
<!-- Paparan pembentangan gambar -->
<section class="hero">
    <div class="hero">
        <div class="slide">
            
        </div>
        <div class="slide">
            
        </div>
        <div class="slide">
            
        </div>
    </div>
</section>
<?php
$result = mysqli_query($con, $sql);
//arahan memaparkan produk tertentu pada laman utama sekiranya tiada
search
if (!isset($_GET['search'])) {
    echo '<section class="featured-products">';
    echo "<h2>Featured Products</h2>";
    echo '<div class="product">';
    echo '  ';
    echo '  <h3>iPad Pro</h3>';
    echo '  <p>Supercharged by M2.</p>';
    echo '  <a href="product.php?scrollTo=0342" class="btn">View
Details</a>';
    echo '</div>';
    echo '<div class="product">';
    echo '  ';
    echo '  <h3>Samsung HW-Q990B</h3>';
    echo '  <p>Wireless Dolby Atmos, True 11.1.4ch.</p>';
    echo '  <a href="product.php?scrollTo=0022" class="btn">View
Details</a>';
    echo '</div>';
    echo '<div class="product">';
    echo '  ';
    echo '  <h3>Alienware x15 R2</h3>';
}

```

```

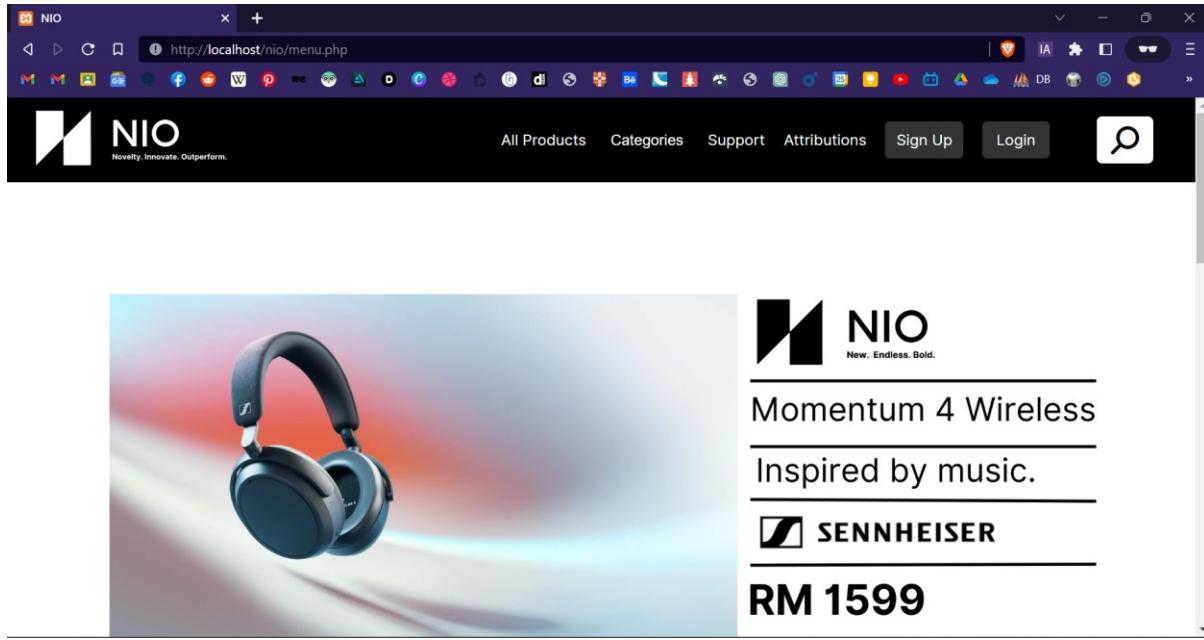
echo '  <p>Sophisticated, Unmatched performance.</p>';
echo '  <a href="product.php?scrollTo=0019" class="btn">View
Details</a>';
echo '</div>';
echo '<div class="product">';
echo '  ';
echo '  <h3>Miele W WV980 WPS Passion</h3>';
echo '  <p>Meets your highest expectations.</p>';
echo '  <a href="product.php?scrollTo=0121" class="btn">View
Details</a>';
echo '</div>';
echo '</section>';
//arahan memaparkan tiada produk bagi pencarian sekiranya tiada
produk dalam pangkalan data yang memenuhi syarat pencarian
} elseif (mysqli_num_rows($result) == 0) {
echo "<br>
<center>
<br><center><font size=\"5\">There are no results for the search
term '$search'</font></center>
</center>";
} else {
    //arahan memaparkan produk bagi pencarian
echo '<div class="product-container">';
while ($row = mysqli_fetch_assoc($result)) {
    echo '<div class="product-card">';
    echo '  ';
    echo '  <h3>' . $row["namaproduk"] . '</h3>';
    echo '  <p>' . $row["keterangan"] . '</p>';
    echo '  <div class="price-add-to-cart">';
    echo '    <span class="price">RM' . $row["harga"] . '</span>';
    echo '    <form method="post" action="cart.php?action=add&id=' .
$row["idproduk"] . '">';
    echo '      <input type="hidden" name="id" value="' .
$row["idproduk"] . '"';
    echo '      <input type="hidden" name="quantity" value="1">';
    echo '      <button class="add-to-cart-btn" type="submit"
style="font-family:\'Inter\'"Add to Comparison</button>';
    echo '    </form>';
    echo '  </div>';
    echo '</div>';
}
echo '</div>';
}

mysqli_close($con);
?>

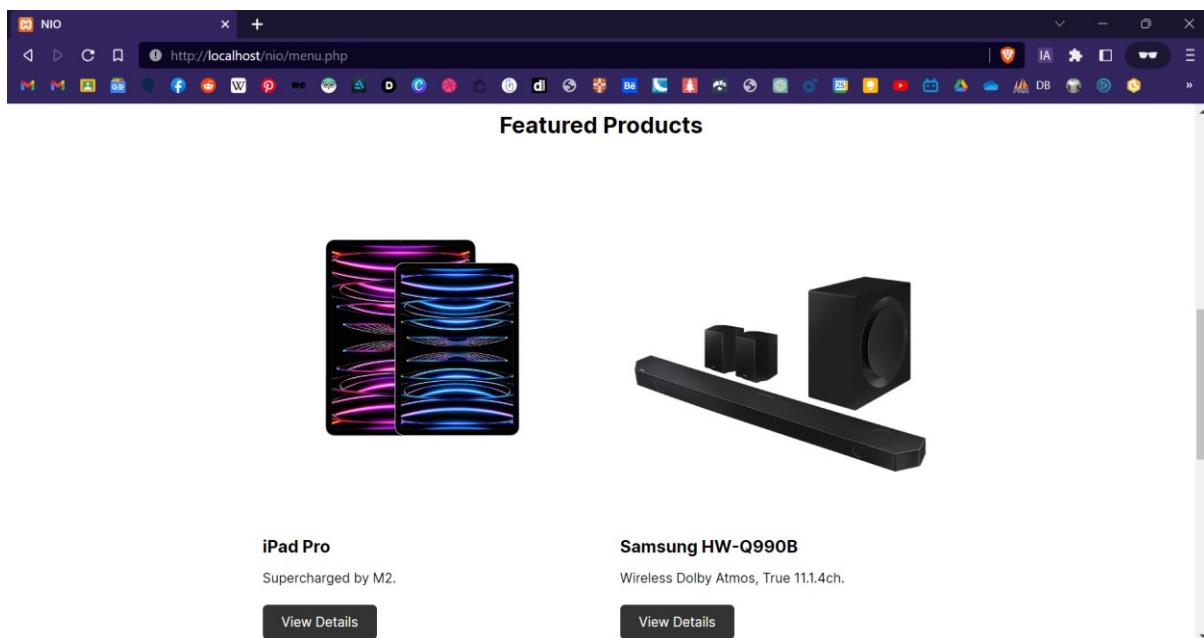
```

ASPEK 3.4 LAPORAN

1. Laman Utama



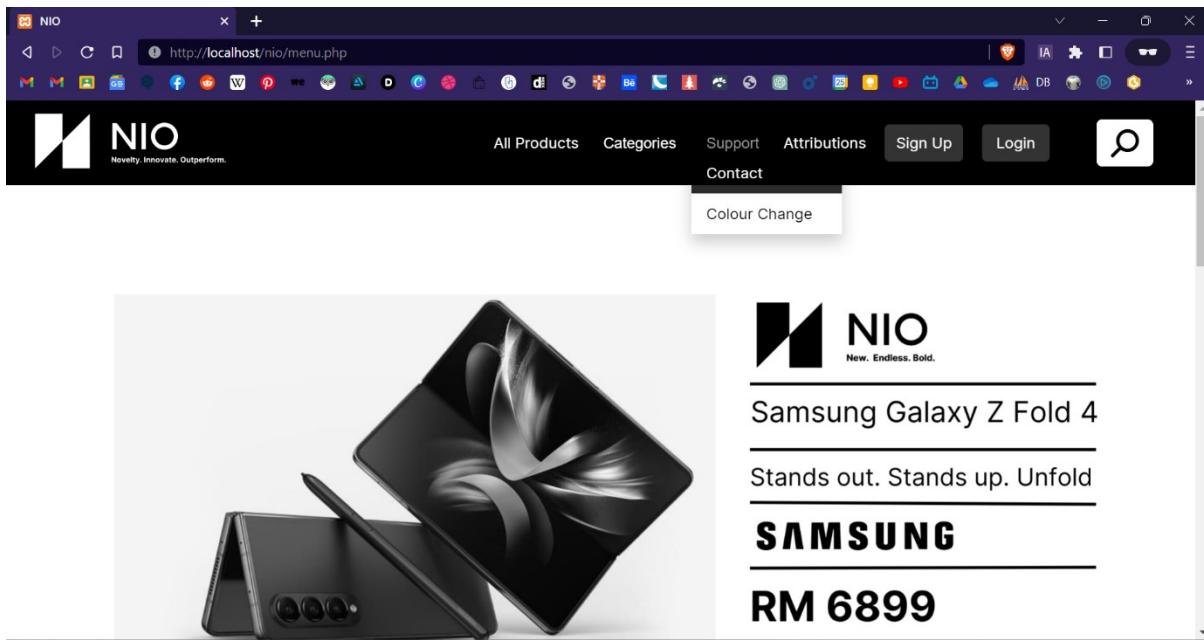
The screenshot shows the NIO website homepage. At the top, there is a navigation bar with links for All Products, Categories, Support, Attributions, Sign Up, Login, and a search icon. The main content features a large image of a pair of black Sennheiser Momentum 4 Wireless headphones. To the right of the image, the NIO logo is displayed with the tagline "Novelty. Innovate. Outperform." Below the logo, the product name "Momentum 4 Wireless" is shown, followed by the slogan "Inspired by music." and the brand name "SENNHEISER". The price "RM 1599" is prominently displayed in large black text.



The screenshot shows the NIO website homepage featuring a "Featured Products" section. It displays two items: an iPad Pro and a Samsung HW-Q990B soundbar system. Each item has a small image, a title, a brief description, and a "View Details" button.

| Product | Description | Action |
|------------------|--------------------------------------|------------------------------|
| iPad Pro | Supercharged by M2. | View Details |
| Samsung HW-Q990B | Wireless Dolby Atmos, True 11.1.4ch. | View Details |

Laman Utama mempunyai pembentangan gambar tentang produk-produk. Sekiranya pengguna telah log masuk, butang Sign Up dan Login akan disembunyi. Terdapat beberapa produk tertentu yang dipaparkan pada laman utama, Pengguna boleh menekan button View details untuk paparan produk tersebut pada laman produk.



Terdapat butang untuk menukar warna halaman pada bar navigasi. Fungsi ini khas bagi pengguna rabun mata untuk memudahkan navigasi antara laman-laman sistem bantu pilih ini.

2. Senarai Produk Mengikut Kategori

The screenshot shows the NIO website's navigation bar with links for All Products, Categories, Support, Attributions, and Comparison. A search icon is also present. On the left, there's a vertical sidebar with icons for mobile phones, headphones, laptops, tablets, and keyboards. The main content area displays three products: the Asus Zenfone 9, Google Pixel 7, and Google Pixel 7 Pro, each with a price of RM4099.00, RM3599.00, and RM4899.00 respectively, and an 'Add to Comparison' button.

Produk dipaparkan mengikut kategori, cara navigasi terdiri daripada menu dropdown pada bar navigasi di bahagian atas dan bar navigasi tepi. Sekiranya ada query search dalam sesuatu laman kategori yang tertentu, produk yang dipaparkan hanya daripada kategori tersebut. Kategori terdiri daripada Mobile, Audio, Computers & Laptops, TV & Monitor, Home appliances dan Accessories.

This screenshot shows the 'Mobile Products' section of the NIO website. The page title 'Mobile Products' is centered above three product cards. The cards feature the Asus Zenfone 9, Google Pixel 7, and Google Pixel 7 Pro, each with a price of RM4099.00, RM3599.00, and RM4899.00 respectively, and an 'Add to Comparison' button. The layout is identical to the 'All Products' page but filtered for the Mobile category.

ii) Audio

Audio Products

| Product | Description | Price | Action |
|------------------------------|--|------------|-------------------|
| AirPods Max | A perfect balance of exhilarating high-fidelity audio and the effortless magic of AirPods. | RM2499.00 | Add to Comparison |
| AirPods Pro (2nd generation) | Rebuilt from the sound up. | RM1099.00 | Add to Comparison |
| Anthem AVM 90 | Demand Excellence, Demand Anthem. Anthem's most sophisticated audio-video processor. | RM42999.00 | Add to Comparison |

Computers & Laptops

| Laptop | Description | Price | Action |
|-------------------------|--------------------------------------|-----------|-------------------|
| Acer Nitro 17 | Beyond Performance. | RM8699.00 | Add to Comparison |
| Acer Predator Helios 18 | Empowered to excel. | RM9099.00 | Add to Comparison |
| Acer Swift Edge 16 | Where Performance Meets Portability. | RM5999.00 | Add to Comparison |

iv) TV and Monitor

TVs & Monitors

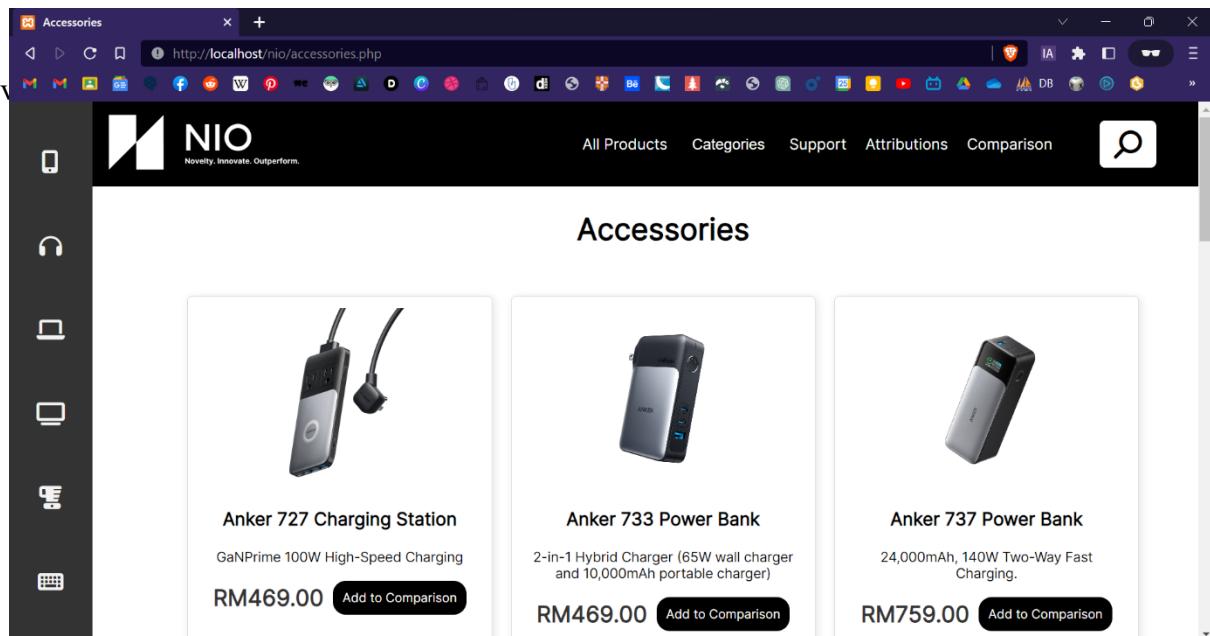
The screenshot shows the NIO website's TVs & Monitors section. On the left, there is a vertical sidebar with icons for mobile, headphones, laptop, monitor, printer, keyboard, and mouse. The main content area has a header "All Products Categories Support Attributions Comparison" and a search bar. Below the header, the title "TVs & Monitors" is displayed. Three products are featured in cards:

- Alienware 34 Curved QD-OLED Gaming Monitor**: 34" QD-OLED, NVIDIA G-SYNC ULTIMATE. Price: RM4999.00. Add to Comparison.
- BenQ EW3880R**: 37.5" IPS WQHD+ Ultrawide Curved Monitor. Price: RM4799.00. Add to Comparison.
- BenQ EX3210U**: MOBIUZ 4K 32 inch True HDMI 2.1 (48Gbps) Gaming Monitor. Price: RM4399.00. Add to Comparison.

Home Appliances

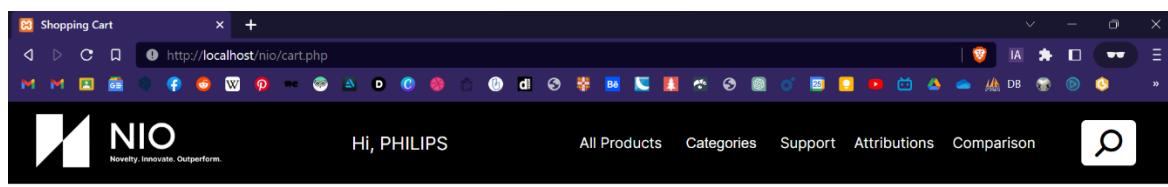
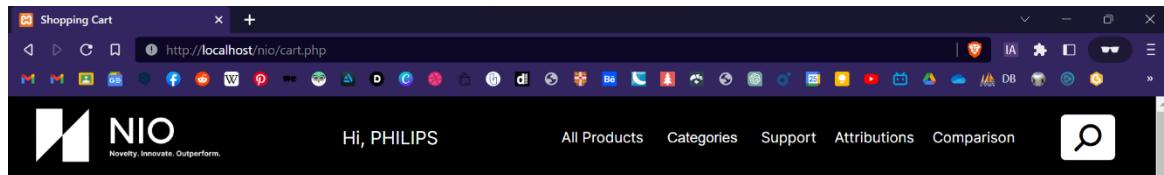
The screenshot shows the NIO website's Home Appliances section. On the left, there is a vertical sidebar with icons for mobile, headphones, laptop, monitor, printer, keyboard, and mouse. The main content area has a header "All Products Categories Support Attributions Comparison" and a search bar. Below the header, the title "Home Appliances" is displayed. Three products are featured in cards:

- DeLonghi Clessidra Pour Over Coffee Maker**: Automatically replicates the pour-over coffee method at the touch of a button. Price: RM599.00. Add to Comparison.
- DeLonghi Dedica Conical Burr Grinder**: With a digital LCD display and 18 variable settings for espresso, drip coffee/pour-over and French press, customize your grind like a professional. Price: RM899.00. Add to Comparison.
- DeLonghi Dinamica Plus**: Elevate your senses and satisfy your coffee desires with Dinamica Plus Fully Automatic Coffee Machine. Price: RM4999.00. Add to Comparison.

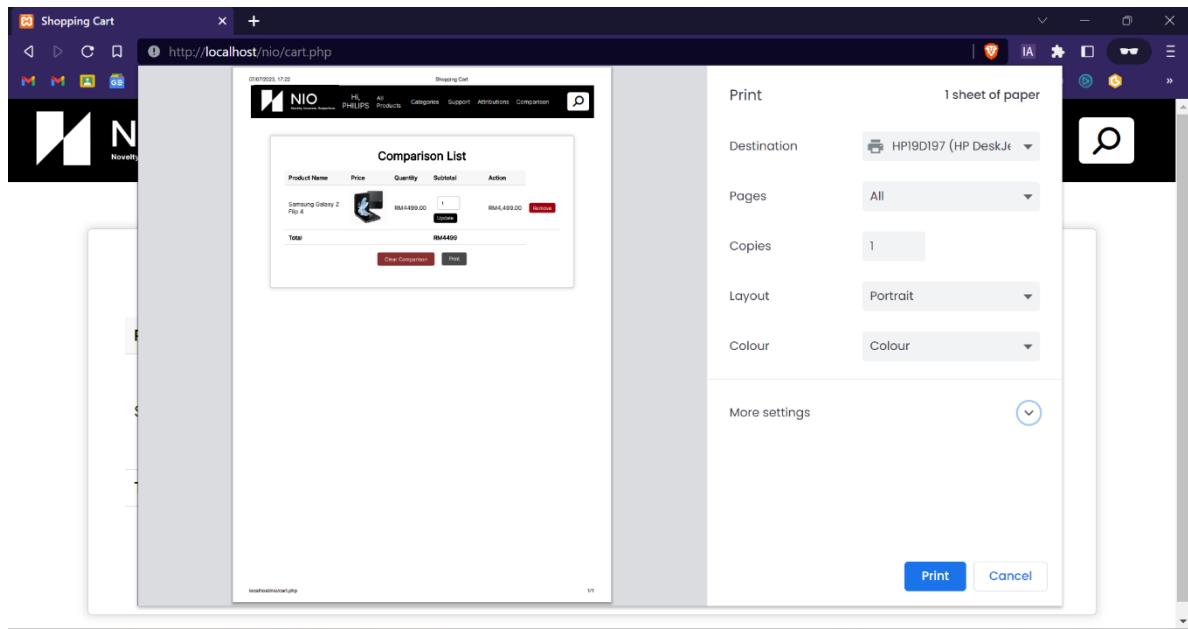


Senarai produk beserta maklumat seperti nama produk, gambar produk, deskripsi dan harga akan dipaparkan mengikut kategori. Pembeli boleh menambah produk ke dalam bandingan dengan klik butang “Add to Comparison” yang berada di sisi harga produk tersebut. Pengguna boleh membuat pencarian nama produk melalui butang interaktif yang disediakan di bahagian atas berserta ikon search.

3. Senarai Produk Dalam Bandingan

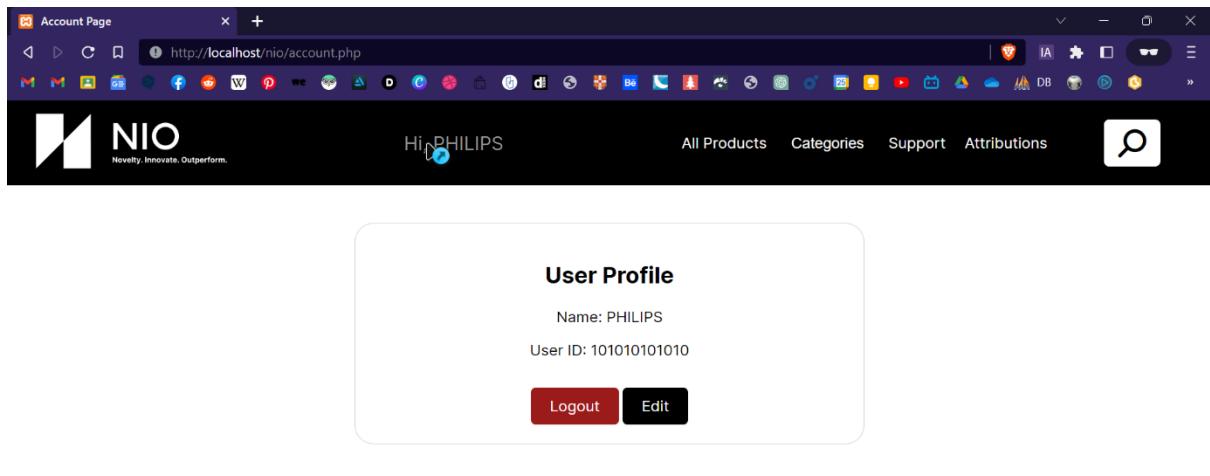


Pengguna yang mempunyai status “Pembeli” dapat mengetahui produk yang telah ditambah ke dalam senarai bandingan olehnya dengan menekan butang navigasi “Comparison”. Mereka juga boleh mengubah suai bilangan produk untuk mendapat jangkaan harga pembelian melalui butang “Update”. Jika pengguna tersebut ingin memadam produk dalam senarai pembandingan, mereka boleh menekan butang “Remove”. Pengguna tersebut juga boleh memadam semua produk dalam senarai



Pengguna yang mempunyai status “Pembeli” boleh mencetak senarai perbandingannya dengan menekan butang “Print”.

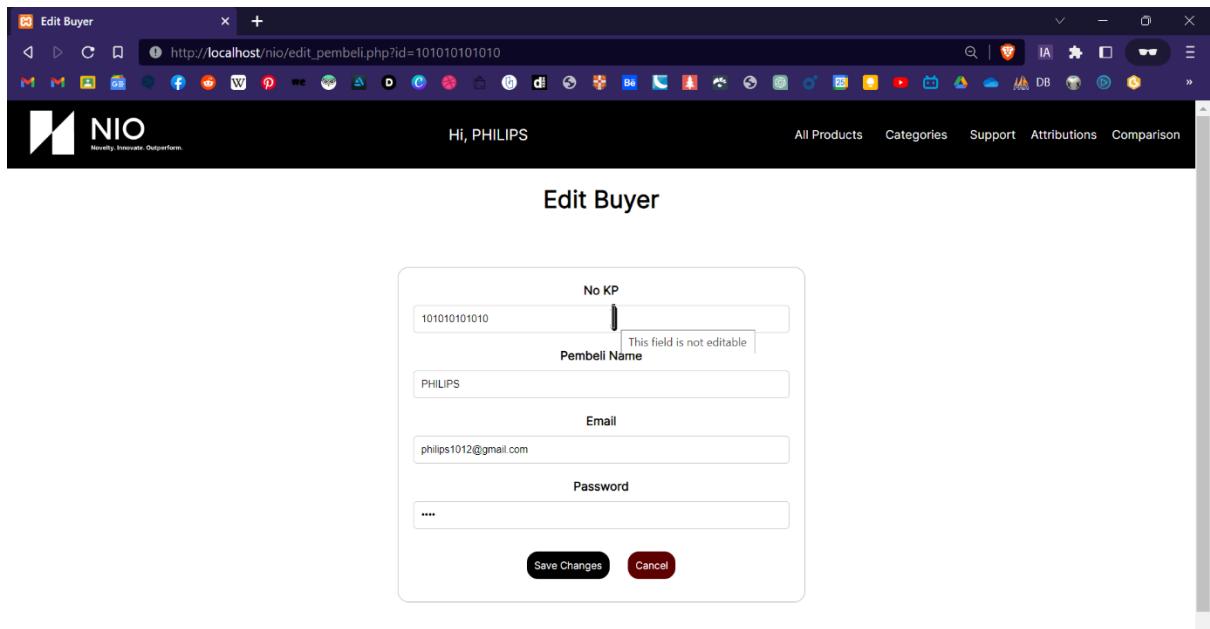
4. Laman Akaun



The screenshot shows a web browser window titled "Account Page" with the URL "http://localhost/nio/account.php". The page has a dark header with the NIO logo and the text "Novelty. Innovate. Outperform.". It displays a "User Profile" section with the name "PHILIPS" and user ID "101010101010". There are "Logout" and "Edit" buttons at the bottom.

localhost/nio/account.php

Pengguna dapat log keluar dengan menekan butang Log Out. Pengguna yang mempunyai status “Pembeli” dapat mengubah suai katalaluan, emel dan nama melalui butang edit.



The screenshot shows a web browser window titled "Edit Buyer" with the URL "http://localhost/nio/edit_pembeli.php?id=101010101010". The page has a dark header with the NIO logo and the text "Novelty. Innovate. Outperform.". It displays an "Edit Buyer" form with fields for "No KP" (containing "101010101010" with a note "This field is not editable"), "Pembeli Name" (containing "PHILIPS"), "Email" (containing "philips1012@gmail.com"), and "Password" (containing "...."). There are "Save Changes" and "Cancel" buttons at the bottom.

5. Kemas kini info penjual dan produk

The screenshot shows the 'Edit Sellers' section of the NIO platform. It displays two seller profiles side-by-side. The first profile for 'RAZALI' has the ID '060723010713'. The second profile for 'RAVINA' has the ID '061206010415'. Each profile includes a 'Edit Seller' button and a 'Remove Seller' button.

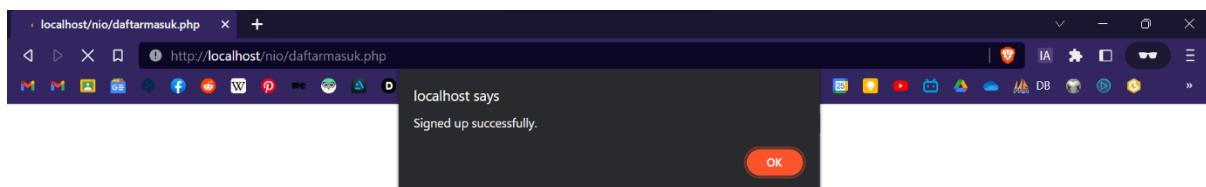
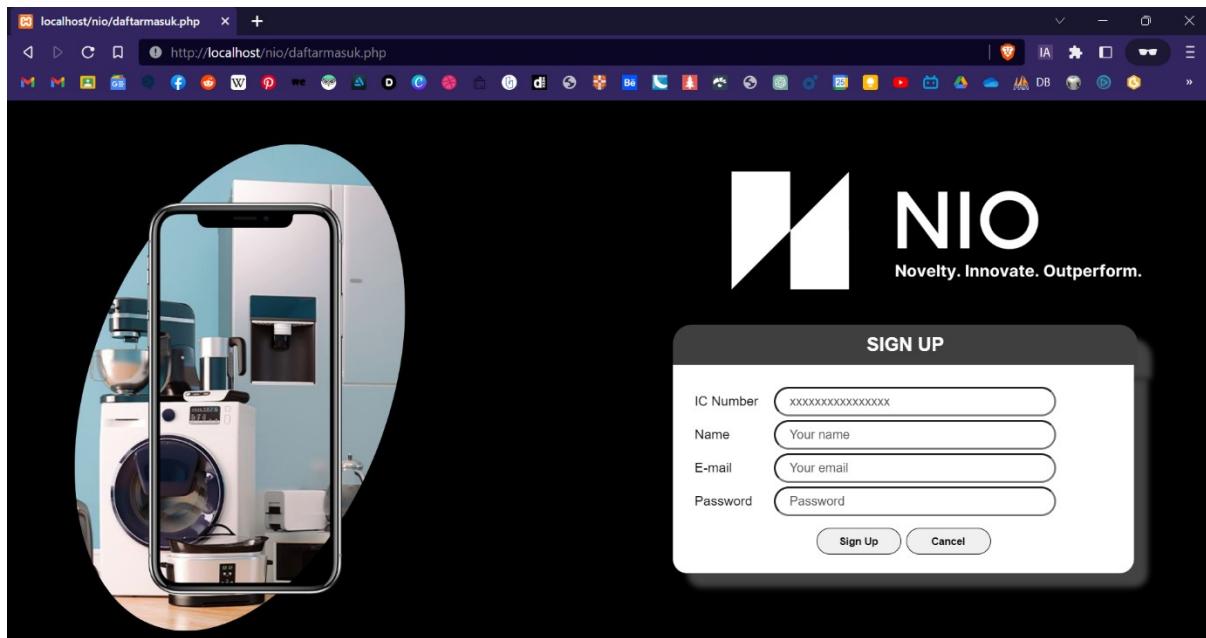
The screenshot shows the 'Edit Products' section of the NIO platform. It displays three product cards for mobile phones. The first card is for the 'Asus Zenfone 9' with a price of RM4099.00. The second card is for the 'Google Pixel 7' with a price of RM3599.00. The third card is for the 'Google Pixel 7 Pro' with a price of RM4899.00. Each card includes a 'Edit Product' button and a 'Remove Product' button.

The screenshot shows the 'Edit Products' section of the NIO platform, specifically for seller 'RAZALI'. It displays two product cards for kitchen appliances. The first card is for the 'GAGGENAU Ceiling ventilation 105 cm' with a price of RM33699.00. The second card is for the 'GAGGENAU Combi-Steam Oven 76x45 cm' with a price of RM36999.00. Each card includes a 'Edit Product' button and a 'Remove Product' button.

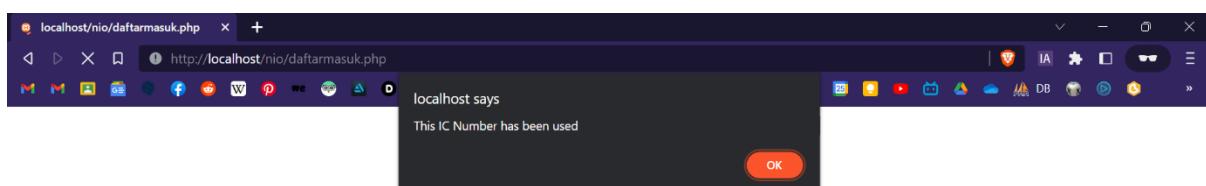
Pengguna yang mempunyai status “Admin” diberikan hak mengemas kini dan memadam bagi semua produk dan penjual manakala pengguna yang mempunyai status “Penjual” hanya dapat mengemas kini produk yang ditambah oleh sendiri sahaja.

ASPEK 3.5 Mengekod

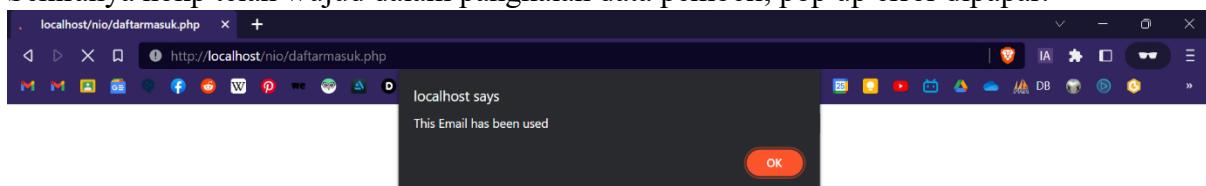
1. Daftar Pengguna



Sekiranya pendaftaran pembeli Berjaya, pop up Berjaya dipapar.



Sekiranya nokp telah wujud dalam pangkalan data pembeli, pop up error dipapar.



Kod bagi laman ini (1):

```
<?php
    // Sambungan ke pangkalan data
    include("connection.php");

    // Memeriksa jika borang telah dihantar
    if(isset($_POST["submit"])) {
        // Mengambil nilai-nilai dari borang
        $nokp = $_POST["nokp"];
        $emelpembeli = $_POST["emelpembeli"];
        $namapembeli = $_POST["namapembeli"];
        $katalaluan = $_POST["katalaluan"];

        // Memeriksa sama ada Nombor KP telah digunakan sebelum ini
        // di table pembeli
        $check_ic_query = "SELECT * FROM pembeli WHERE nokp =
        '$nokp'";
        $check_ic_result = mysqli_query($con, $check_ic_query);
        $num_ic_rows = mysqli_num_rows($check_ic_result);

        // Memeriksa sama ada Nombor KP telah digunakan sebelum ini
        // di table penjual
        $check_ic_query2 = "SELECT * FROM penjual WHERE idpenjual =
        '$nokp'";
        $check_ic_result2 = mysqli_query($con, $check_ic_query2);
        $num_ic_rows2 = mysqli_num_rows($check_ic_result2);

        // Memeriksa sama ada Emel telah digunakan sebelum ini
        $check_email_query = "SELECT * FROM pembeli WHERE
        emelpembeli = '$emelpembeli'";
        $check_email_result = mysqli_query($con,
        $check_email_query);
        $num_email_rows = mysqli_num_rows($check_email_result);

        // Paparan error sekiranya ada Nombor KP atau Emel yang sama
        if ($num_ic_rows > 0 || $num_ic_rows2 > 0) {
            echo "<script>alert('This IC number has been
            used');</script>";
        } else if ($num_email_rows > 0) {
            echo "<script>alert('This Email has been
            used');</script>";
        } else {
            // Menyediakan pernyataan SQL dan menjalankan penyisipan
            // rekod baru ke pangkalan data
            $stmt = mysqli_prepare($con, "INSERT INTO pembeli
            values(?, ?, ?, ?)");
            mysqli_stmt_bind_param($stmt, "ssss", $nokp,
            $emelpembeli, $namapembeli, $katalaluan);
        }
    }
}
```

```

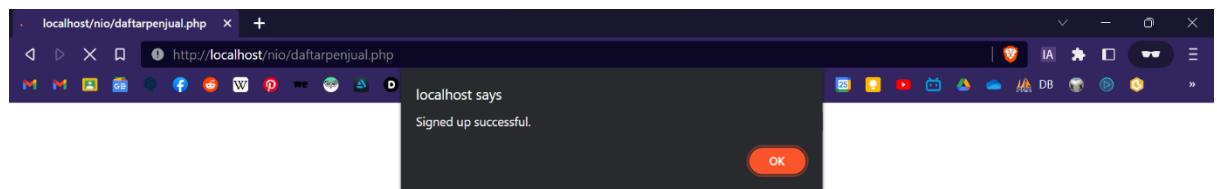
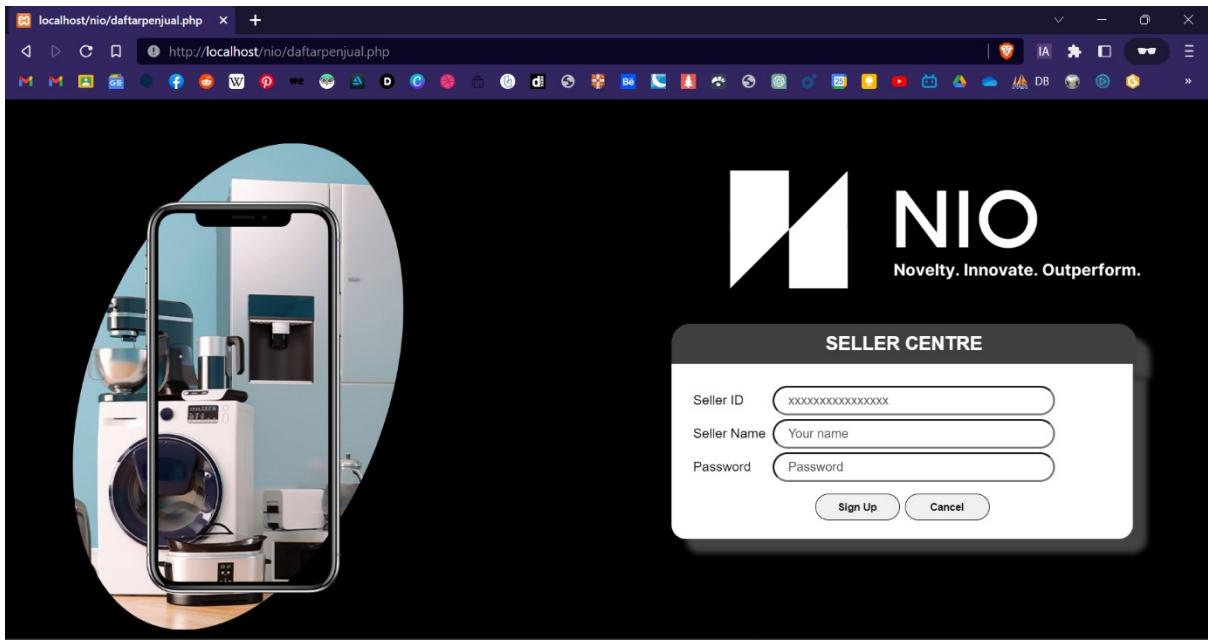
        mysqli_stmt_execute($stmt);
        $result = mysqli_stmt_affected_rows($stmt);
        mysqli_stmt_close($stmt);
        // Memaparkan mesej berjaya atau tidak berjaya selepas
penyisipan rekod
        if($result) {
            echo "<script>alert('Signed up
successful.')</script>";
            echo "<script>window.location='index.php'</script>";
        } else {
            echo "<script>alert('Sign up failed.')</script>";
            echo
"<script>window.location='daftarmasuk.php'</script>";
        }
    }
}

?>
<link rel="stylesheet" href="aborang.css">
<link rel="stylesheet" href="abutton.css">

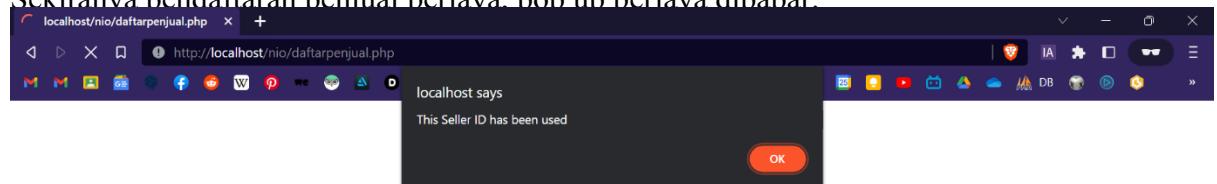
<!DOCTYPE html>
<html>
<body>
    <center>
        <a href="menu.php">
            
        </a>
        <h3 class="panjang">SIGN UP</h3>
        <form class="panjang" action="daftarmasuk.php"
method="post">
            <table>
                <tr>
                    <td>Nombor KP</td>
                    <td>
                        <input required type="text" name="nokp"
placeholder="xxxxxxxxxxxxxxxxxx"
                            pattern="[0-9]{12}"
                            oninvalid="this.setCustomValidity('Sila
masukkan 12 nombor tanpa -')"
                            oninput="this.setCustomValidity('')">
                    </td>
                </tr>
                <tr>
                    <td>Nama</td>
                    <td>
                        <input required type="text"
name="namapembeli" placeholder="Your Name">
                    </td>
                
```

```
</tr>
<tr>
    <td>Emel</td>
    <td>
        <input required type="email"
name="emelpembeli" placeholder="Your Email">
    </td>
</tr>
<tr>
    <td>Katalaluan</td>
    <td>
        <input required type="password"
name="katalaluan" placeholder="Password" maxlength="8"
title="Maximum length is 8">
    </td>
</tr>
</table>

<button class="tambah" type="submit" name="submit">Sign
Up</button>
    <button class="batal" type="button"
onclick="window.location='home.php'">Cancel</button>
</form>
</center>
</body>
</html>
```



Sekiranya pendaftaran penjual berjaya, pop up berjaya dipapar.



Sekiranya idpenjual telah wujud dalam pangkalan data pembeli, pop up error dipapar.

Kod bagi laman ini (2):

```
<?php
    // Sambungan ke pangkalan data
    include("connection.php");
    // Memeriksa jika borang telah dihantar
    if (isset($_POST["submit"])) {
        // Mengambil nilai-nilai dari borang
        $idpenjual = $_POST["idpenjual"];
        $namapenjual = $_POST["namapenjual"];
        $katalaluan = $_POST["katalaluan"];

        // Memeriksa sama ada ID penjual telah digunakan sebelum ini
        // di table pembeli
        $check_query = "SELECT * FROM pembeli WHERE nokp =
        '$idpenjual'";
        $check_result = mysqli_query($con, $check_query);
        $num_rows = mysqli_num_rows($check_result);

        // Memeriksa sama ada ID penjual telah digunakan sebelum ini
        // di table penjual
        $check_query2 = "SELECT * FROM penjual WHERE idpenjual =
        '$idpenjual'";
        $check_result2 = mysqli_query($con, $check_query2);
        $num_rows2 = mysqli_num_rows($check_result2);

        // Paparan error sekiranya ada ID penjual yang sama
        if ($num_rows > 0 || $num_rows2 > 0) {
            echo "<script>alert('This Seller ID has been
used');</script>";
        } else {
            // Menyediakan pernyataan SQL dan menjalankan penyisipan
            // rekod baru ke pangkalan data
            $stmt = mysqli_prepare($con, "INSERT INTO penjual
            (idpenjual, namapenjual, katalaluan) VALUES (?, ?, ?)");
            mysqli_stmt_bind_param($stmt, "sss", $idpenjual,
            $namapenjual, $katalaluan);
            mysqli_stmt_execute($stmt);
            $result = mysqli_stmt_affected_rows($stmt);
            mysqli_stmt_close($stmt);

            // Memaparkan mesej berjaya atau tidak berjaya selepas
            // penyisipan rekod
            if($result) {
                echo "<script>alert('Signed up
successful.')</script>";
                echo "<script>window.location='index.php'</script>";
            }
        }
    }
}
```

```

        } else {
            echo "<script>alert('Sign up failed.');//</script>";
            echo
        "<script>window.location='daftarmasuk.php'</script>";
    }
}
?>

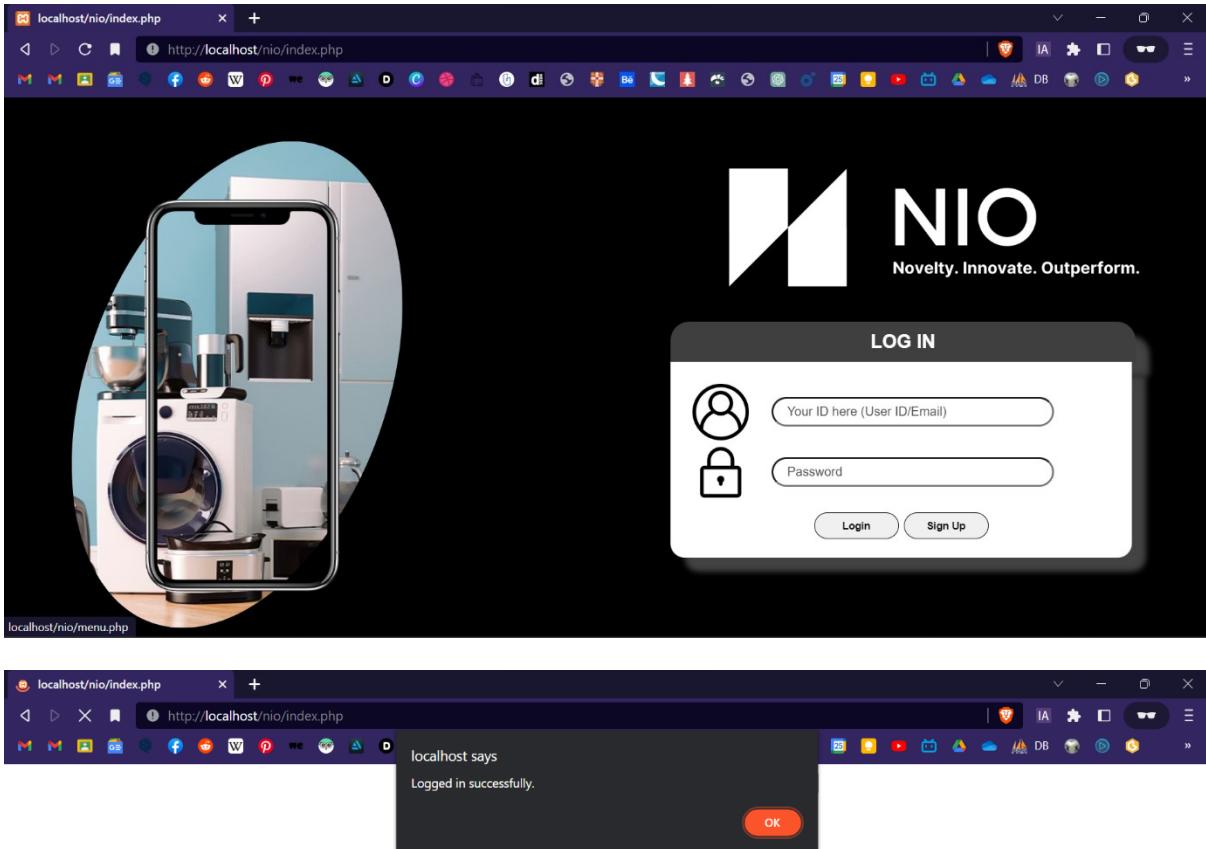
<link rel="stylesheet" href="aborang.css">
<link rel="stylesheet" href="abutton.css">

<!DOCTYPE html>
<html>
<body>
    <center>
        <a href="menu.php"></a>
    </center>
    <center>
        <h3 class="panjang">SELLER CENTRE</h3>
        <form class="panjang" action="daftarpenjual.php"
method="post">
            <table>
                <tr>
                    <td>Seller ID</td>
                    <td>
                        <input required type="text" name="idpenjual"
placeholder="xxxxxxxxxxxxxx" pattern="[0-9]{12}"
oninvalid="this.setCustomValidity('Insert 12 numbers without -')"
oninput="this.setCustomValidity('')">
                    </td>
                </tr>
                <tr>
                    <td>Seller Name</td>
                    <td><input required type="text"
name="namapenjual" placeholder="Your name"></td>
                </tr>
                <tr>
                    <td>Password</td>
                    <input required type="password"
name="katalaluan" placeholder="Password" maxlength="8"
title="Maximum length is 8">
                </tr>
            </table>
            <button class="tambah" type="submit" name="submit">Sign
Up</button>
    </center>
</body>
</html>

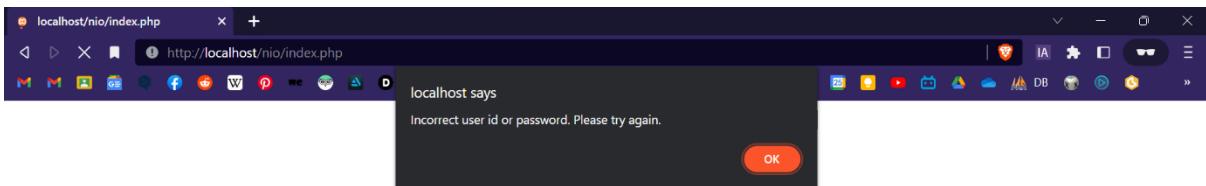
```

```
        <button class="batal" type="button"
onclick="window.location='home.php'">Cancel</button>
    </form>
</center>
</body>
</html>
```

3. Laman Log Masuk



Sekiranya log masuk berjaya, pop up berjaya dipapar.



Sekiranya terdapat kesalahan dalam idpenjual atau katalaluan, pop up error dipapar.

Kod bagi laman ini (3):

```
<?php
    session_start();
    // Sambungan ke pangkalan data
    include("connection.php");

    // Semak jika borang telah dihantar
    if(isset($_POST["submit"])){
        // Dapatkan input dari borang
        $nokp = mysqli_real_escape_string($con, $_POST["nokp"]);
        $katalaluan = mysqli_real_escape_string($con,
        $_POST["katalaluan"]);

        // Flag untuk menyimpan keputusan carian pengguna
        $jumpa = FALSE;
        $user_found = FALSE;

        // Semak dalam jadual pembeli
        $sql = "SELECT * FROM pembeli WHERE (nokp=? OR
        emelpembeli=?) AND katalaluan=?";
        $stmt = mysqli_stmt_init($con);
        if (mysqli_stmt_prepare($stmt, $sql)) {
            mysqli_stmt_bind_param($stmt, "sss", $nokp, $nokp,
            $katalaluan);
            mysqli_stmt_execute($stmt);
            $result = mysqli_stmt_get_result($stmt);
            if(mysqli_num_rows($result) > 0){
                // Pengguna pembeli dijumpai
                $user_found = TRUE;
                $jumpa = TRUE;
                $pembeli = mysqli_fetch_array($result);
                $_SESSION["nokp"] = $pembeli["nokp"];
                $_SESSION["nama"] = $pembeli["namapembeli"];
                $_SESSION["status"] = "pembeli";
            }
        }
        // Jika pengguna tidak dijumpai dalam jadual pembeli
        if(!$user_found){
            // Semak dalam jadual penjual
            $sql = "SELECT * FROM penjual WHERE idpenjual=? AND
            katalaluan=?";
            $stmt = mysqli_stmt_init($con);
            if (mysqli_stmt_prepare($stmt, $sql)) {
                mysqli_stmt_bind_param($stmt, "ss", $nokp,
                $katalaluan);
                mysqli_stmt_execute($stmt);
                $result = mysqli_stmt_get_result($stmt);
```

```

if(mysqli_num_rows($result) > 0){
    // Pengguna penjual dijumpai
    $jumpa = TRUE;
    $penjual = mysqli_fetch_array($result);
    $_SESSION["nokp"] = $penjual["idpenjual"];
    $_SESSION["nama"] = $penjual["namapenjual"];
    $_SESSION["status"] = "penjual";
}
}

// Jika pengguna tidak dijumpai dalam jadual penjual
if(!$user_found){
    // Semak dalam jadual admin
    $sql = "SELECT * FROM admin WHERE idadmin=? AND
katalaluan=?";
    $stmt = mysqli_stmt_init($con);
    if (mysqli_stmt_prepare($stmt, $sql)) {
        mysqli_stmt_bind_param($stmt, "ss", $nokp,
$katalaluan);
        mysqli_stmt_execute($stmt);
        $result = mysqli_stmt_get_result($stmt);
        if(mysqli_num_rows($result) > 0){
            // Pengguna admin dijumpai
            $jumpa = TRUE;
            $admin = mysqli_fetch_array($result);
            $_SESSION["nokp"] = $admin["idadmin"];
            $_SESSION["nama"] = $admin["namaadmin"];
            $_SESSION["status"] = "admin";
        }
    }
}

// Jika jumpa pengguna
if($jumpa){
    // Semak status pengguna dan lakukan tindakan yang
berkaitan
    if($_SESSION["status"] == "pembeli"){
        echo "<script>
        alert('Logged in successfully.');
        window.location='pembeli_home.php';
        </script>";
    } else if ($_SESSION["status"] == "penjual"){
        echo "<script>
        alert('Logged in successfully.');
        window.location='penjual_home.php';
        </script>";
    } else if ($_SESSION["status"] == "admin" ){
}
}

```

```

        echo "<script>
            alert('Logged in successfully.');
            window.location='admin_home.php';
        </script>";
    };

}

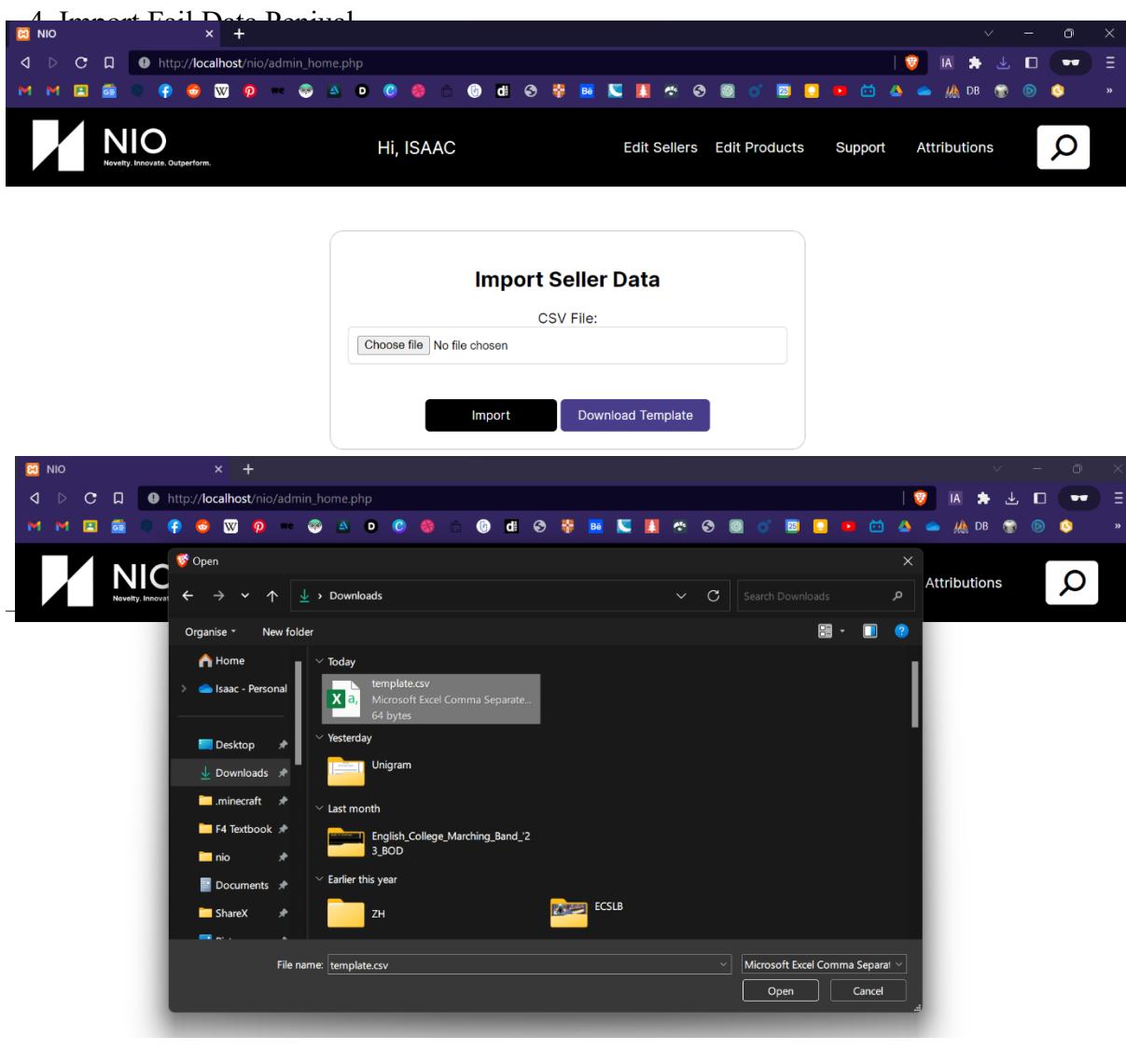
// Jika tidak jumpa pengguna
if($jumpa==FALSE){
    echo "<script>
        alert('Incorrect user id or password. Please try
again.');
        window.location='index.php';
    </script>";
}
}

?>
<link rel="stylesheet" href="abutton.css">
<link rel="stylesheet" href="aborang.css">

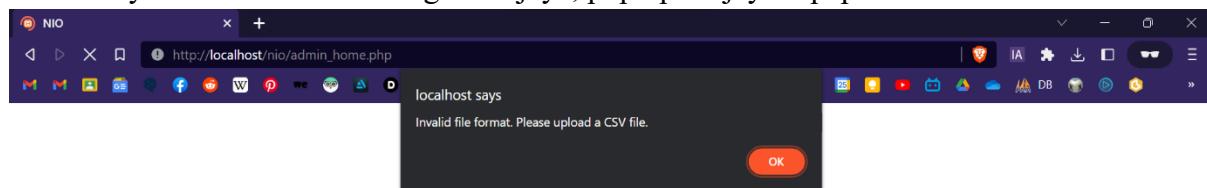
<!DOCTYPE html>
<html>
<center>
    <a href="menu.php"></a>
</center>
<h3 class="pendek">LOG IN</h3>
<center>
<form class="pendek" action="index.php" method="post">
    <table>
        <tr>
            <td></td>
            <td><input type="text" name="nokp" placeholder="Your ID here (User
ID/Email)" required></td>
        </tr>
        <tr>
            <td></td>
            <td><input type="password" name="katalaluan"
placeholder="Password" required></td>
        </tr>
    </table>
    <button class="login" type="submit" name="submit">Login</button>
    <button class="signup" type="button" onclick="window.location='home.php'">
Sign Up </button>
</center>
</form>
</html>

<center>
```

```
<a href="menu.php"></a>
</center>
<h3 class="pendek">LOG IN</h3>
<center>
<form class="pendek" action="index.php" method="post">
    <table>
        <tr>
            <td></td>
            <td><input type="text" name="nokp" placeholder="Your ID
here (User ID/Email)" required></td>
        </tr>
        <tr>
            <td></td>
            <td><input type="password" name="katalaluan"
placeholder="Password" required></td>
        </tr>
    </table>
    <button class="login" type="submit" name="submit">Login</button>
    <button class="signup" type="button"
onclick="window.location='home.php'"> Sign Up </button>
</center>
</form>
</html>
```



Sekiranya fail dimuat naik dengan berjaya, pop up berjaya dipapar.



Sekiranya fail yang dimuat naik bukan fail CSV, pop up error dipapar.

Kod untuk laman ini (4):

```

<?php
include("connection.php");
session_start();

// Memeriksa sama ada status pengguna ditetapkan
if (!isset($_SESSION["status"])) {
    echo "<script>
        alert('Sila log masuk sebagai admin.');
        window.location.href = 'menu.php';
    </script>";
    exit;
}
// Sekiranya sesi pengguna bukan admin
else if ($_SESSION["status"] !== "admin") {
    echo "<script>
        alert('Sila log masuk sebagai admin.');
        window.location.href = 'index.php';
    </script>";
    exit;
}
?>
<!DOCTYPE html>
<html>
<head>
    <title>NIO</title>
    <link rel="stylesheet" href="admin.css">
    <link rel="stylesheet" href="search.css">
    <link rel="stylesheet" href="nio.css">
    <link rel="stylesheet" href="product.css">
    <link rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css"/>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta charset="UTF-8">
</head>
<body>
<header class="nio-header">
    <a href="admin_home.php"></a>
    <div class="greet">
        <a href="account.php">Hi, <?php echo $_SESSION["nama"]; ?></a>
    </div>
    <nav class="nio-nav">
        <ul>

```

```

<li><a href="home_edit_penjual.php">Edit Sellers</a></li>
<li><a href="home_edit_product.php">Edit Products</a></li>
<li class="dropdown">
    <button class="dropbtn">Support</button>
    <div class="dropdown-content">
        <a href="support.php">Contact</a>
        <button id="toggleButton" class="colour-btn">Colour
Change</button>
    </div>
</li>
<li><a href="profile.php">Attributions</a></li>
<form method="get" action="<?php echo
$_SERVER['PHP_SELF']; ?>">
    <div class="input-box">
        <input type="text" placeholder="Enter to search..." id="searchInput" name="search">
            <span class="icon">
                <i class="fa fa-search search-icon"></i>
            </span>
            <i class="fa fa-times close-icon"></i>
        </div>
    </form>
</ul>
</nav>
</header>

<?php
// Jika terdapat parameter 'search' dalam URL
if (isset($_GET['search'])) {
    $search = mysqli_real_escape_string($con, $_GET['search']);
    $sql = "SELECT * FROM produk WHERE namaproduk LIKE '%$search%' OR
jenama LIKE '%$search%' ORDER BY category ASC";
    $result = mysqli_query($con, $sql);

    // Jika tidak ada hasil yang ditemukan
    if (mysqli_num_rows($result) == 0) {
        echo "<br><center><font size=\"5\">Tiada hasil untuk kata kunci
pencarian '$search'</font></center>";
    }
    // Jika terdapat hasil yang ditemukan
    else {
        while ($row = mysqli_fetch_assoc($result)) {
            echo '<div class="product-card" id="product-' .
$row["idproduk"] . '">';
            echo '  ';
            echo '  <h3>' . $row["namaproduk"] . '</h3>';
            echo '  <p>' . $row["keterangan"] . '</p>';
        }
    }
}

```

```

echo '  <div class="price-add-to-cart">';
echo '    <span class="price">RM' . $row["harga"] . '</span>';
echo '    <form action="edit_product.php" method="GET">';
echo '      <input type="hidden" name="id" value="' .
$row['idproduk'] . '">';
echo '      <button type="submit" class="edit-product-
btn">Edit Produk</button>';
echo '    </form>';
echo '    <button class="remove-btn"
onclick="removeProduct(\'' . $row['idproduk'] . '\')>Padam
Produk</button>';
echo '</div>';
}
}
?
<script>
// Memeriksa jika pilihan pengguna disimpan dalam storan tempatan
var isGrayscale = localStorage.getItem('grayscale') === 'true';

// Aplikasikan grayscale berdasarkan pilihan pengguna
if (isGrayscale) {
  document.documentElement.style.filter = 'grayscale(100%)';
}

// Sekiranya butang tukar warna ditekan
document.getElementById('toggleButton').addEventListener('click',
function() {
  // Tukar kepada pilihan grayscale
  isGrayscale = !isGrayscale;

  // Kemas kini storan tempatan dengan pilihan baru
  localStorage.setItem('grayscale', isGrayscale);

  // Aplikasikan atau buang penapis grayscale berdasarkan pilihan
  // baru
  if (isGrayscale) {
    document.documentElement.style.filter = 'grayscale(100%)';
  } else {
    document.documentElement.style.filter = 'none';
  }
});

// Animasi interaksi bar carian
let inputBox = document.querySelector(".input-box");
let searchIcon = document.querySelector(".search-icon");
let closeIcon = document.querySelector(".close-icon");

```

```

let searchInput = document.querySelector("#searchInput");

searchIcon.addEventListener("click", () => {
  inputBox.classList.add("open");
  searchInput.focus();
});

closeIcon.addEventListener("click", () => {
  inputBox.classList.remove("open");
  searchInput.value = "";
});

searchInput.addEventListener("keydown", (event) => {
  if (event.key === "Enter") {
    event.preventDefault();
    searchInput.form.submit();
  }
});

if (performance.navigation.type === 1) {
  let searchInput = document.querySelector("#searchInput");
  searchInput.value = "";
  let url = new URL(window.location.href);
  url.searchParams.delete('search');
  window.history.replaceState(null, null, url);
}

function removeProduct(idproduk) {
  if (confirm("Are you sure you want to remove this product?")) {
    window.location.href = "remove_product.php?id=" + idproduk;
  }
}
</script>

<form class="import-form" method="post" enctype="multipart/form-data" action="php echo $_SERVER['PHP_SELF']; ?&gt;"&gt;
  &lt;h2&gt;Import Seller Data&lt;/h2&gt;
  &lt;label for="csvFile"&gt;CSV File:&lt;/label&gt;
  &lt;input type="file" name="csvFile" id="csvFile" accept=".csv"&gt;
  &lt;input type="submit" name="submit" value="Import"&gt;
  &lt;a class="template" href="template.csv" download&gt;Download
  Template&lt;/a&gt;
&lt;/form&gt;

&lt;?php
// Memeriksa jika borang dihantar
if ($_SERVER["REQUEST_METHOD"] == "POST") {
</pre

```

```

if (isset($_FILES["csvFile"]) && $_FILES["csvFile"]["error"] ==
UPLOAD_ERR_OK) {
    // Memeriksa jenis fail, jika bukan csv, paparkan mesej ralat
    $fileType = $_FILES["csvFile"]["type"];
    if ($fileType != "text/csv" && $fileType != "application/vnd.ms-
excel") {
        echo "<script>alert('Invalid file format. Please upload a CSV
file.');//</script>";
    } else {
        $file = $_FILES["csvFile"]["tmp_name"];

        // Membuka fail untuk pemprosesan maklumat
        $handle = fopen($file, "r");

        // Kecualikan baris pertama
        fgetcsv($handle);

        // Proseskan maklumat baris-baris seterusnya
        while (($data = fgetcsv($handle, 1000, ",")) !== false) {
            $idpenjual = str_pad($data[0], 12, '0', STR_PAD_LEFT);
            $namapenjual = strval($data[1]);
            $katalaluan = strval($data[2]);

            // Proses penyisipan data ke dalam pangkalan data
            $query = "INSERT INTO penjual (idpenjual, namapenjual,
katalaluan) VALUES ('$idpenjual', '$namapenjual', '$katalaluan')";
            mysqli_query($con, $query);
        }

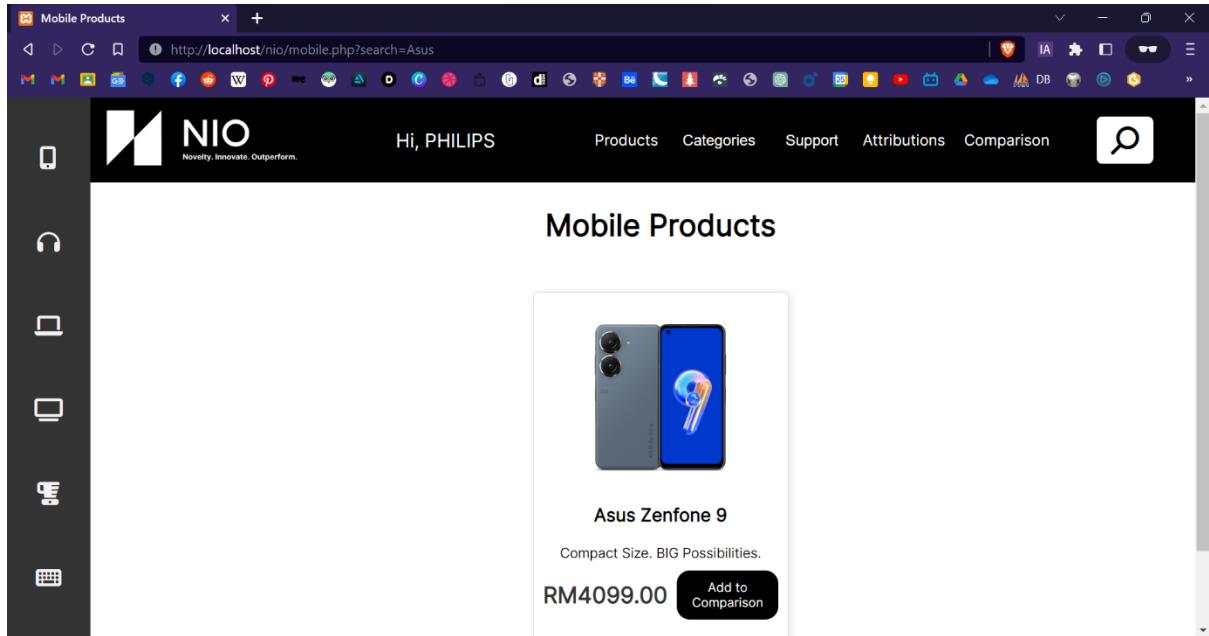
        fclose($handle);

        // Paparkan mesej berjaya dan kembali ke laman sama
        echo "<script>alert('CSV file imported
successfully.');//</script>";
    }
} else {
    echo "<script>alert('Error uploading CSV file.');//</script>";
}
?>
</body>
</html>

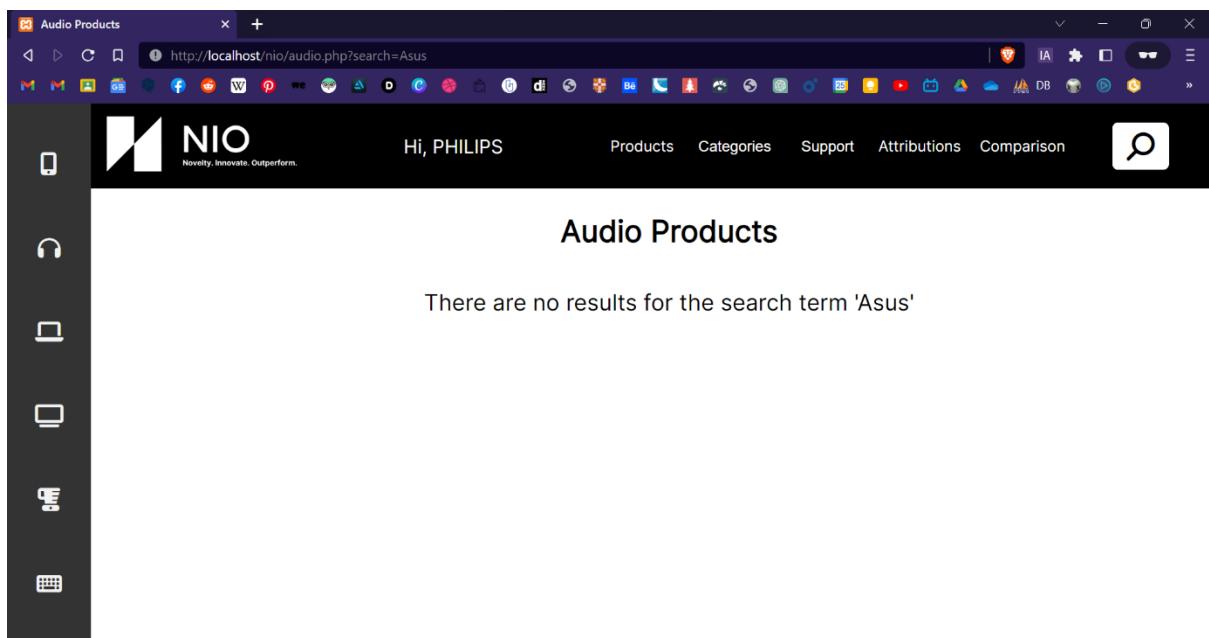
```

5. Carian ikut kategori

i) Mobile



ii) Audio



iii) Computers & Laptops

The screenshot shows a web browser window for the NIO website. The URL in the address bar is <http://localhost/nio/c&l.php?search=Asus>. The page title is "Computers & Laptops". On the left, there is a vertical sidebar with icons for various categories: smartphone, headphones, monitor, laptop, keyboard, and mouse. The main content area displays two laptop products from Asus:

- Asus Zenbook Pro 16X OLED**: Smaller. Simpler. Stronger. Price: RM11999.00. Add to Comparison button.
- Asus Zenbook Pro Duo 15 OLED**: The laptop of tomorrow. Price: RM14999.00. Add to Comparison button.

iv) TV & Monitors

The screenshot shows a web browser window for the NIO website. The URL in the address bar is <http://localhost/nio/tv&m.php?search=Panasonic>. The page title is "TVs & Monitors". On the left, there is a vertical sidebar with icons for various categories: smartphone, headphones, monitor, laptop, keyboard, and mouse. The main content area displays two TV products from Panasonic:

- Panasonic TH-65JZ2000K 65"**: Picture and Sound Mastered, for Total Home Cinema. Price: RM16999.00. Add to Comparison button.
- Panasonic TX-77LZ2000B 77"**: State of the art picture & sound to transform your home cinema. Price: RM23699.00. Add to Comparison button.

v) Home Appliances

Panasonic 1550W Cordless Steam Iron with Multi-Dir
Freestyle Ironing!
RM370.00 [Add to Comparison](#)

Panasonic 2200W Cyclone Bagless Canister Vacuum Cleaner
Clean Exhaust Air, Your Cat Won't Mind at All.
RM799.00 [Add to Comparison](#)

Panasonic 2800W Optimal Iron
Ideal Ironing Results without Troublesome Temperature Setting.
RM452.00 [Add to Comparison](#)

Panasonic CARE+ Edition Washer Dryer 10kg/6kg
Gentle Drying Prevents Clothes from Shrinking.

Panasonic CARE+ Edition Washing Machine 10kg
Hygiene Wash for Baby Clothes with Dry Assist.

Panasonic CARE+ Edition Washing Machine 9kg
Improves Hygiene in Your Everyday Laundry.

vi) Accessories

NIO Novelty. Innovate. Outperform.

Hi, PHILIPS Products Categories Support Attributions Comparison

Accessories

Panasonic Faucet Water Purifier
Secure, Clear Water for 1 Year for a Sustainable, Healthier Life.
RM579.00 [Add to Comparison](#)

Panasonic Portable Air Purifier nanoe™ X Generator
Enjoy the Clean Air Surrounds You
RM599.00 [Add to Comparison](#)

Kod untuk grafik muka pengguna laman-laman tersebut (5):

```
<?php
include("product_header.php");
?>

<!DOCTYPE html>
<html>
<head>
    <title>Mobile Products</title>
</head>
<body>
    <div class="main-content">
        <center>
            <h1 style="margin-top:-25px;">Mobile Products</h1>
        </center>
        <div class="product-container">
            <?php
                include("search.php")
            ?>
        </div>
    </body>
</html>
```

```
<?php
include("product_header.php");
?>

<!DOCTYPE html>
<html>
<head>
    <title>Audio Products</title>
</head>
<body>
    <div class="main-content">
        <center>
            <h1 style="margin-top:-25px;">Audio Products</h1>
        </center>
        <div class="product-container">
            <?php
                include("search.php")
            ?>
        </div>
    </body>
</html>
```

```
<?php
include("product_header.php");
?>

<!DOCTYPE html>
<html>
<head>
    <title>Computers & Laptops</title>
</head>
<body>
    <div class="main-content">
        <center>
            <h1 style="margin-top:-25px;">Computers & Laptops</h1>
        </center>
        <div class="product-container">
            <?php
                include("search.php")
            ?>
        </div>
    </body>
</html>
```

```
<?php
include("product_header.php");
?>

<!DOCTYPE html>
<html>
<head>
    <title>TV & Monitors</title>
</head>
<body>
    <div class="main-content">
        <center>
            <h1 style="margin-top:-25px;">TV & Monitors</h1>
        </center>
        <div class="product-container">
            <?php
                include("search.php")
            ?>
        </div>
    </body>
</html>
```

```

<?php
include("product_header.php");
?>

<!DOCTYPE html>
<html>
<head>
    <title>Home Appliances</title>
</head>
<body>
    <div class="main-content">
        <center>
            <h1 style="margin-top:-25px;">Home Appliances</h1>
        </center>
        <div class="product-container">
            <?php
                include("search.php")
            ?>
        </div>
    </body>
</html>

```

```

<?php
include("product_header.php");
?>

<!DOCTYPE html>
<html>
<head>
    <title>Accessories</title>
</head>
<body>
    <div class="main-content">
        <center>
            <h1 style="margin-top:-25px;">Accessories</h1>
        </center>
        <div class="product-container">
            <?php
                include("search.php")
            ?>
        </div>
    </body>
</html>

```

Kod untuk fungsi search (5):

```

<?php
// Sambungan ke pangkalan data
include("connection.php");

// Fungsi scroll to
if (isset($scrollTo)) {
    echo '<script>
        function scrollToProduct() {
            var product = document.getElementById("product-' . $scrollTo . '");
            if (product) {
                var topOffset = product.getBoundingClientRect().top +
                window.pageYOffset;
                window.scrollTo({ top: topOffset, behavior: "smooth" });
            }
        }

        window.addEventListener("load", scrollToProduct);
    </script>';
}

// Tetapkan kategori berdasarkan laman semasa
$category = '';
if (basename($_SERVER['PHP_SELF']) == 'audio.php') {
    $category = 'AUDIO';
} elseif (basename($_SERVER['PHP_SELF']) == 'mobile.php') {
    $category = 'MOBILE';
} elseif (basename($_SERVER['PHP_SELF']) == 'c&l.php') {
    $category = 'COMPUTERS_LAPTOPS';
} elseif (basename($_SERVER['PHP_SELF']) == 'tv&m.php') {
    $category = 'TV_MONITORS';
} elseif (basename($_SERVER['PHP_SELF']) == 'ha.php') {
    $category = 'HOME_APPLIANCES';
} elseif (basename($_SERVER['PHP_SELF']) == 'accessories.php') {
    $category = 'ACCESSORIES';
}

// Memeriksa jika parameter 'search' telah dihantar melalui URL.
if (isset($_GET['search'])) {
    $search = mysqli_real_escape_string($con, $_GET['search']);
    // Melakukan carian
    $sql = "SELECT * FROM produk WHERE namaproduk LIKE '%$search%'";
    if (!empty($category)) {
        // Menambah syarat tambahan kepada kod SQL jika terdapat
        // kategori yang ditetapkan.
        $sql .= " AND category = '$category'";
    }
    // Menambah syarat secara menaik kepada kod SQL.
    $sql .= " ORDER BY namaproduk ASC";
}

```

```

} else {
// Memeriksa jika kategori tidak kosong.
if (!empty($category)) {
    $sql = "SELECT * FROM produk WHERE category = '$category'
ORDER BY namaproduk ASC";
} else {
    $sql = "SELECT * FROM produk ORDER BY category ASC, namaproduk
ASC";
}
}

$result = mysqli_query($con, $sql);

// Jika tiada hasil untuk carian $search
if (mysqli_num_rows($result) == 0) {
    echo "<br><center><font size=\"5\">There are no results for the
search term '$search'</font></center>";
} else {
    while ($row = mysqli_fetch_assoc($result)) {
        echo '<div class="product-card" id="product-' .
$row["idproduk"] . '">';
        echo '  ';
        echo '  <h3>' . $row["namaproduk"] . '</h3>';
        echo '  <p>' . $row["keterangan"] . '</p>';
        echo '  <div class="price-add-to-cart">';
        echo '    <span class="price">RM' . $row["harga"] . '</span>';
        echo '    <form method="post" action="cart.php?action=add&id=' .
$row["idproduk"] . '">';
        echo '      <input type="hidden" name="id" value="' .
$row["idproduk"] . '"';
        echo '      <input type="hidden" name="quantity" value="1">';
        echo '      <button class="add-to-cart-btn" type="submit"
style="font-family:\'Inter\'>Add to Comparison</button>';
        echo '    </form>';
        echo '  </div>';
        echo '</div>';
    }
}

mysqli_close($con);
?>

```

6. Laman senarai perbandingan

The screenshot shows a web browser window titled "Comparison List" at the URL <http://localhost/nio/cart.php>. The page displays a table with one item: "Asus Zenfone 9" with a price of RM4099.00 and a quantity of 1. The subtotal is RM4,099.00. There is a "Remove" button next to the item. Below the table, there is a "Total" row showing RM4099. At the bottom are "Clear Comparison" and "Print" buttons.

This screenshot shows the same comparison list page as above, but a "Print" dialog box is overlaid on the right side of the screen. The dialog box has fields for "Destination" (set to "HP19D197 (HP DeskJ"), "Pages" (set to "All"), "Copies" (set to "1"), "Layout" (set to "Portrait"), and "Colour" (set to "Colour"). It also includes a "More settings" dropdown and "Print" and "Cancel" buttons.

The screenshot shows the comparison list page again, but a confirmation dialog box is centered over the content. The dialog asks, "localhost says Are you sure you want to remove this item from the comparison?" with "OK" and "Cancel" buttons.

Pengguna yang berstatus “Pembeli” boleh mengubah kuantiti, mengeluarkan atau kosongkan produk dalam senarai bandingan. Selain itu, pembeli juga dapat mencetak senarai tersebut. Senarai bandingan ini disimpan dalam pangkalan data dan hanya pembeli yang mempunyai nombor yang sama dapat mengakses senarai tersebut.

Kod untuk laman ini (6):

```

<?php
include("header.php");

// Sambungan ke pangkalan data
include("connection.php");

// Semak sama ada parameter 'action' telah ditetapkan dan tambah/keluarkan
produk dalam senarai mengikutnya
if (isset($_GET['action'])) {
    switch ($_GET['action']) {
        case 'add':
            if (isset($_GET['id'])) {
                $id = $_GET['id'];
                $quantity = 1;

                // Tambah atau kemaskini produk ke dalam pangkalan data
                $nokp = $_SESSION['nokp'];
                $today = date('Y-m-d');

                $check_query = "SELECT * FROM bandingan WHERE nokp = '$nokp'
AND idproduk = '$id'";
                $check_result = mysqli_query($con, $check_query);

                if (mysqli_num_rows($check_result) > 0) {
                    $update_query = "UPDATE bandingan SET kuantiti = kuantiti
+ '$quantity' WHERE nokp = '$nokp' AND idproduk = '$id'";
                    mysqli_query($con, $update_query);
                } else {
                    $insert_query = "INSERT INTO bandingan (nokp, idproduk,
tarikh, kuantiti) VALUES ('$nokp', '$id', '$today', '$quantity')";
                    mysqli_query($con, $insert_query);
                }
            }

            // Kembali ke laman senarai bandingan
            header("Location: cart.php");
            exit();
        }
        break;

        case 'clear':
            // Kosongkan senarai
            $nokp = $_SESSION['nokp'];
            $clear_query = "DELETE FROM bandingan WHERE nokp = '$nokp'";
            mysqli_query($con, $clear_query);

            // Selepas pemprosesan data, kembali ke senarai bandingan
            header("Location: cart.php");
    }
}

```

```

    exit();
    break;

    case 'remove':
        if (isset($_GET['id'])) {
            $id = $_GET['id'];
            $nokp = $_SESSION['nokp'];

            // Kosongkan produk dalam senarai dalam database
            $remove_query = "DELETE FROM bandingan WHERE nokp = '$nokp' AND idproduk = '$id'";
            mysqli_query($con, $remove_query);

            // Selepas pemprosesan data, kembali ke senarai perbandingan
            header("Location: cart.php");
            exit();
        }
        break;
    }

// Dapatkan senarai perbandingan dari jadual 'bandingan'
$nokp = $_SESSION['nokp'];
$cart_query = "SELECT b.idproduk, p.namaproduk, p.gambar, p.harga, b.kuantiti
FROM bandingan b INNER JOIN produk p ON b.idproduk = p.idproduk WHERE b.nokp =
'$nokp'";
$cart_result = mysqli_query($con, $cart_query);

$cart_items = array();
$total = 0;

while ($row = mysqli_fetch_assoc($cart_result)) {
    $id = $row['idproduk'];
    $quantity = $row['kuantiti'];
    $subtotal = $row['harga'] * $quantity;
    $total += $subtotal;

    $cart_items[$id] = array(
        'namaproduk' => $row['namaproduk'],
        'gambar' => $row['gambar'],
        'harga' => $row['harga'],
        'quantity' => $quantity,
        'subtotal' => $subtotal
    );
}

// Kemas kini kuantiti produk sekiranya jadual dihantar
if ($_SERVER['REQUEST_METHOD'] === 'POST') {

```

```

if (isset($_POST['id']) && isset($_POST['quantity'])) {
    $id = $_POST['id'];
    $quantity = intval($_POST['quantity']);

    // Kemas kini quantity dalam jadual 'bandingan'
    $nokp = $_SESSION['nokp'];
    $update_query = "UPDATE bandingan SET kuantiti = '$quantity' WHERE
nokp = '$nokp' AND idproduk = '$id'";
    mysqli_query($con, $update_query);

    // Selepas pemprosesan data, kembali ke senarai perbandingan
    header("Location: cart.php");
    exit();
}
?>

<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" href="cart.css">
    <title>Comparison List</title>
    <script>
        function confirmRemove() {
            return confirm("Are you sure you want to remove this item from the
comparison?");
        }
    </script>
</head>
<body>
    <div class="main-content">
        <center>
            <br>
            <h1 style="margin-top:-25px;">Comparison List</h1>
        </center>

        <div class="product-container">
            <?php
                if (empty($cart_items)) {
                    echo "<p>Your comparison list is empty.</p>";
                } else {
                    echo "<table>";
                    echo "<thead><tr><th>Product
Name</th><th>Image</th><th>Price</th><th>Quantity</th><th>Subtotal</th><th>Act
ion</th></tr></thead>";
                    echo "<tbody>";

                    foreach ($cart_items as $id => $item) {

```

```

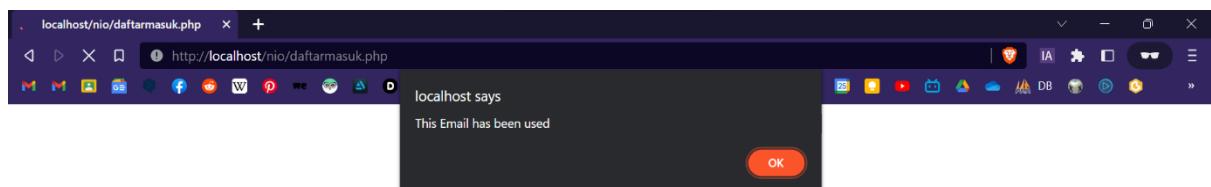
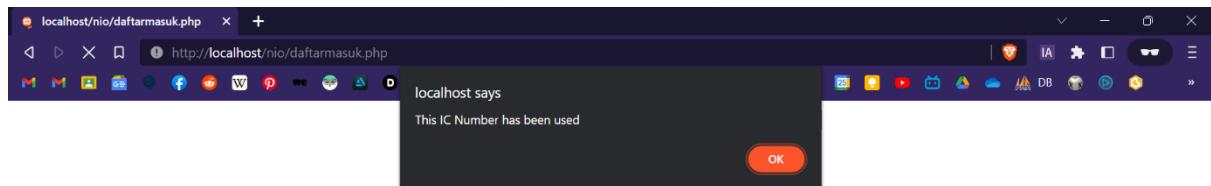
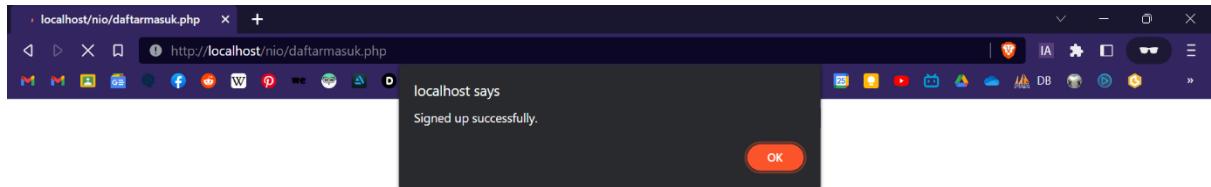
        echo '<tr>';
        echo '<td>' . $item["namaproduk"] . '</td>';
        echo '<td></td>';
        echo '<td>RM' . $item["harga"] . '</td>';
        echo '<td>';
        echo '<form method="post" action="cart.php">';
        echo '<input type="hidden" name="id" value="' . $id . '"';
        echo '<">';
        echo '<input type="number" name="quantity" min="1" value="" . $item["quantity"] . '" onchange="this.form.submit()" title="Minimum quantity is 1">';
        echo '</form>';
        echo '</td>';
        echo '<td class="subtotal">RM' .
number_format($item["subtotal"], 2) . '</td>';
        echo '<td>';
        echo '<form method="post" action="cart.php?action=remove&id=' . $id . '" onsubmit="return confirmRemove()">';
        echo '<input type="hidden" name="id" value="' . $id . '"';
        echo '<">';
        echo '<button class="remove-from-cart-btn" type="submit" style="font-family:\'Inter\'">' . Remove . '</button>';
        echo '</form>';
        echo '</td>';
        echo '</tr>';
    }

    echo "<tr><td colspan='3'><strong>Total</strong></td><td class='total'><strong>RM$total</strong></td><td></td></tr>";
    echo "</tbody>";
    echo "</table>";
    echo "<br>";
    echo '<form method="post" action="cart.php?action=clear">';
    echo '<button class="clear-cart-btn" type="submit" style="font-family:\'Inter\'">' . Clear Comparison . '</button>';
    echo '</form>';
    echo '<button class="print-btn" onclick="window.print()">Print</button>';
}
?>
</div>
</div>
</body>
</html>

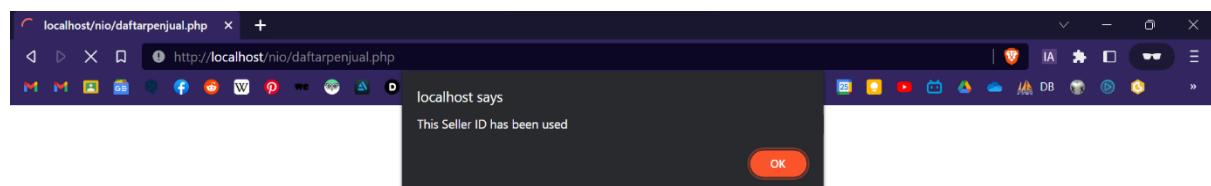
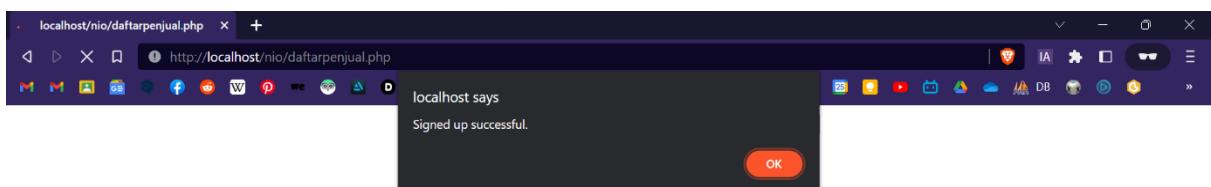
```

7. Paparan Pop up

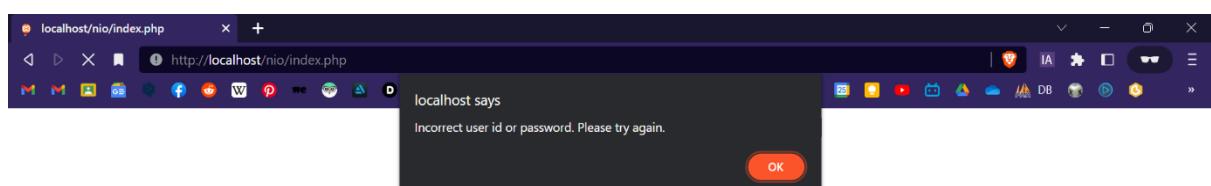
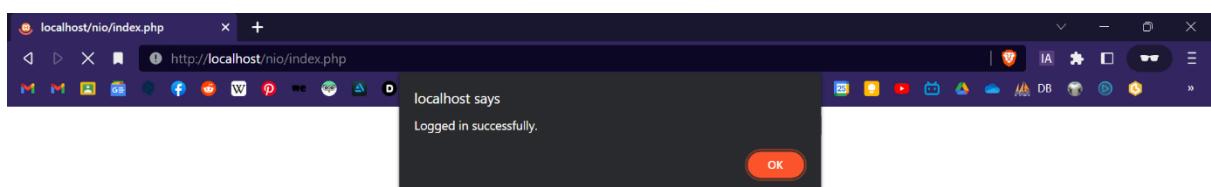
i) Daftar pembeli



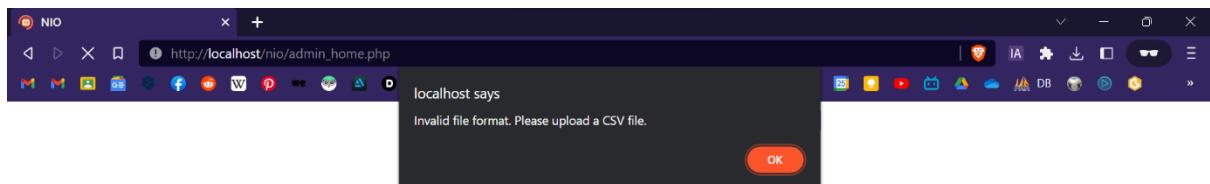
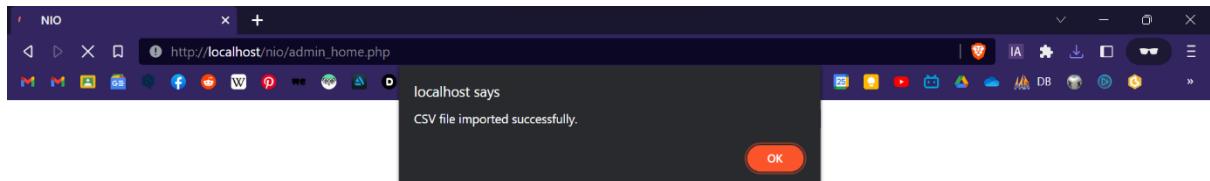
ii) Daftar penjual



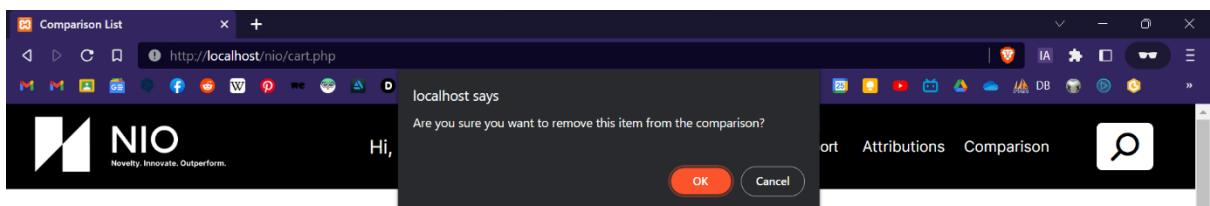
iii) Log Masuk



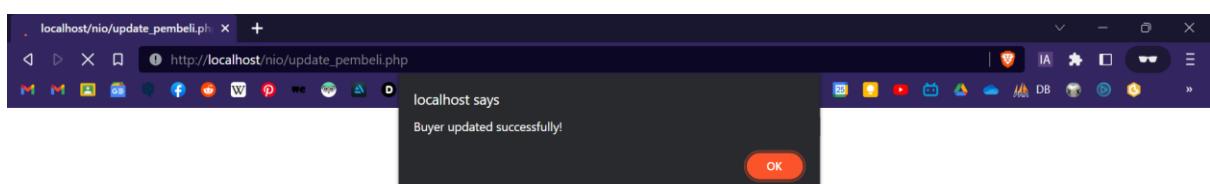
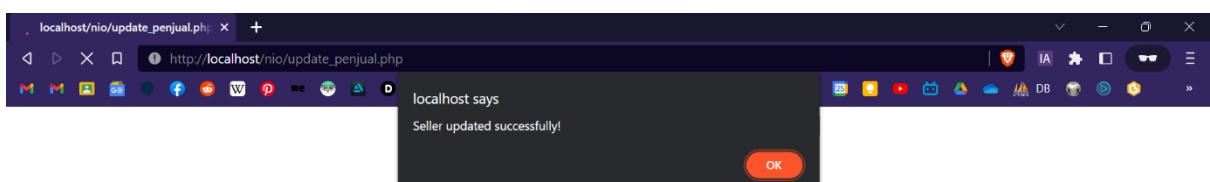
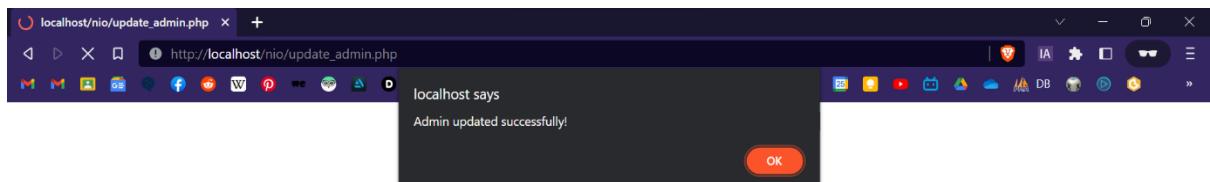
iv) Import fail data penjual



v) Senarai bandingan



vi) Kemas kini pengguna dan produk.



FASA 4.0 MENGUJI DAN MENYAH RALAT

ASPEK 4.1 RALAT SINTAKS

- Maksud ralat sintaks: Ralat yang ada kesilapan ejaan dan tatabahasa.
- Tiada ralat sintaks yang berlaku dalam aturcara sistem ini.

ASPEK 4.2 RALAT LOGIK

- Maksud ralat logik: Kesilapan apabila output tidak sama dengan input yang diproses.
- Tiada ralat logik yang berlaku dalam aturcara sistem ini.

ASPEK 4.3 RALAT MASA LARIAN

- Maksud ralat masa larian: Kesilapan aturcara iaitu berhenti secara tiba-tiba.
- Tiada ralat masa larian yang berlaku dalam aturcara sistem ini.
- Contoh Set Data bagi Tujuan Uji Lari:

| Nama Item | nokp | Sampel Data | Output |
|--------------|---------|--------------|---|
| Jenis Data | VARCHAR | 061206010415 | 061206010415 |
| Panjang Data | 12 | 06120601041 | Mesej pop-up “Please enter 12 numbers without -” |
| Panjang Data | 12 | - | Mesej pop-up “Please fill out this field” |

FASA 5.0 DOKUMENTASI

ASPEK 5.2 SUMBER RUJUKAN

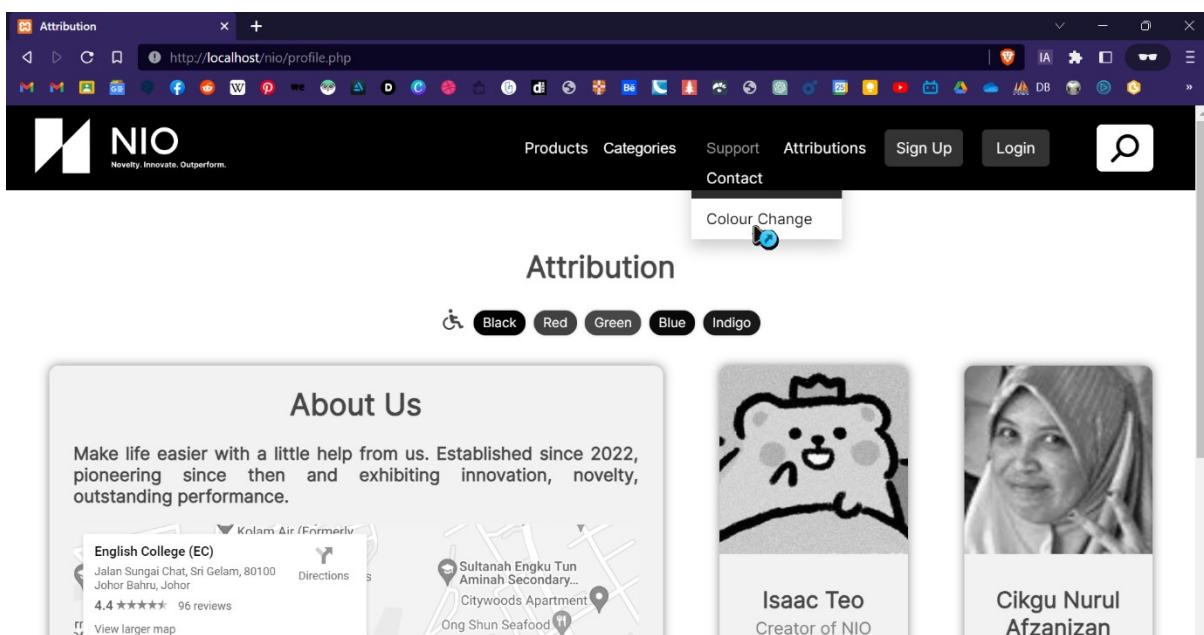
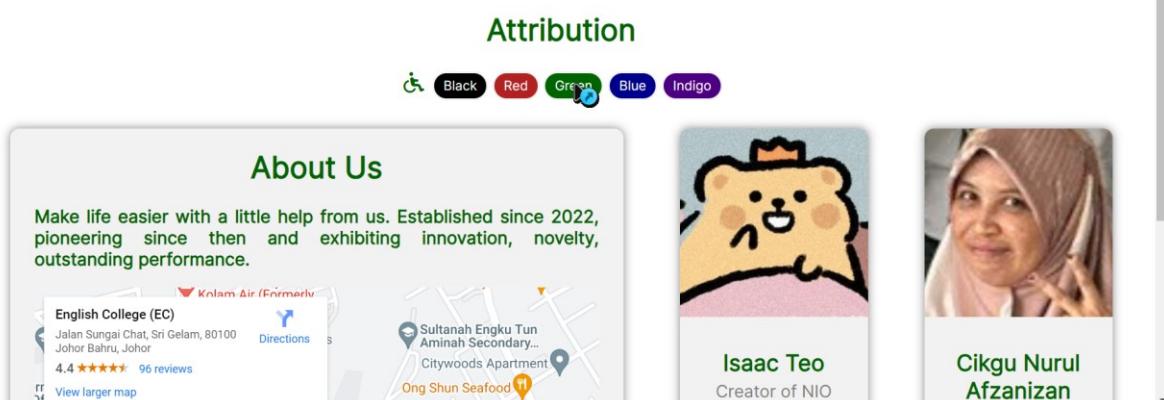
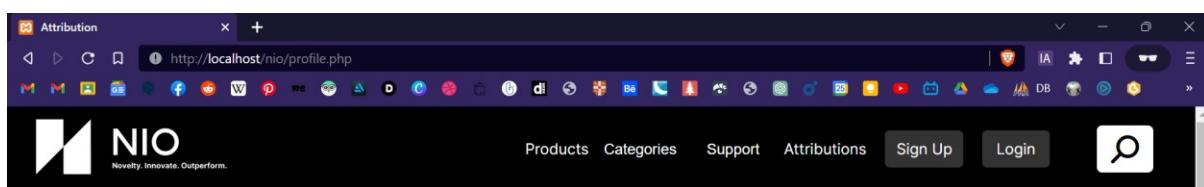
1. Buku teks Sains Komputer Tingkatan 4, Chua Siwe Geck, Yew Kwang Hooi, Zaliha binti Mohamad, Fatimah binti Ismail@Mohd Nor, Oxford Fajar Sdn. Bhd.
2. Buku teks Sains Komputer Tingkatan 5, Norlini binti Ramli, Paridah binti Daud, Noor Azma binti Ismail, Noor Lees binti Ismail, Abd. Halim bin Bohadean@Bohari, Oxford Fajar Sdn. Bhd.
3. Laman web Google Maps, <https://goo.gl/maps/EB6xWySFFMQuVZja7/>
4. Laman web MDN Web Docs, <https://developer.mozilla.org/en-US/>

FASA 6.0 NILAI

ASPEK 6.2 KREATIVITI ANTARA MUKA

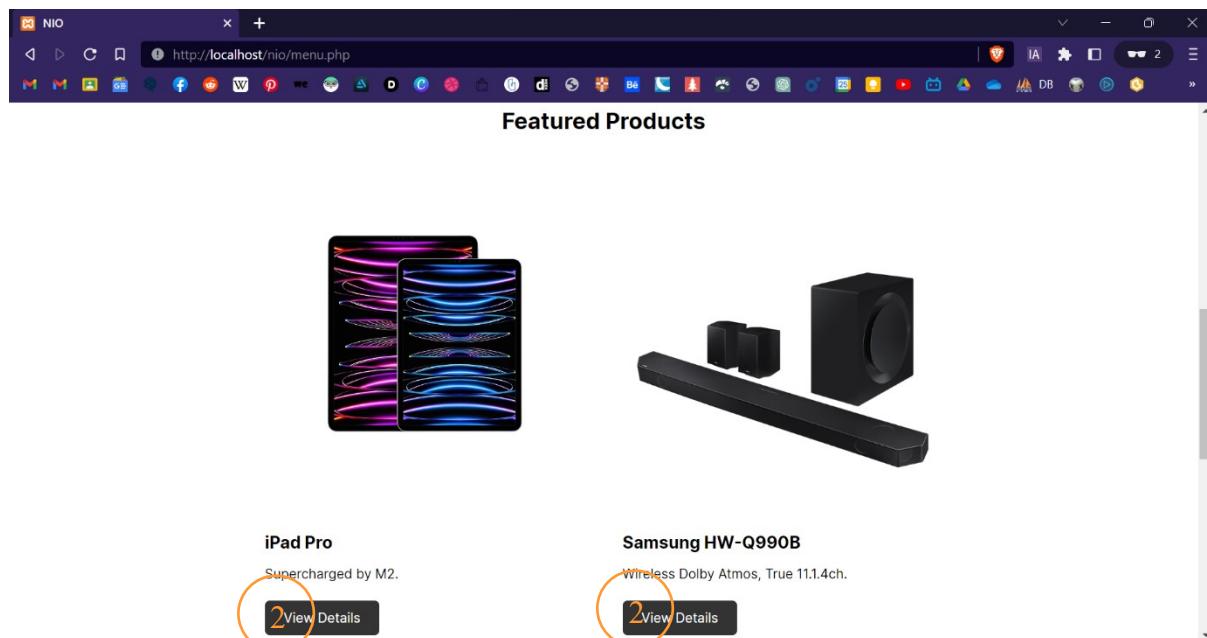
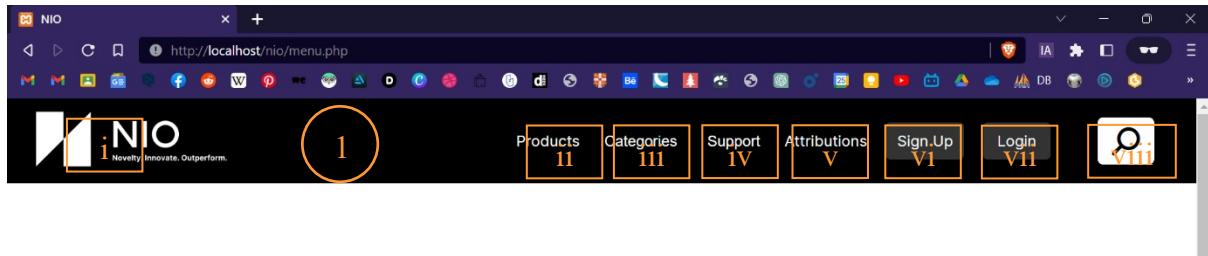
- Tukar warna laman-laman sistem sokongan pemilihan NIO.

Pengguna yang melayari laman-laman sistem sokongan pemilihan NIO boleh menukar warna laman kepada grayscale yang telah disediakan dalam ruangan pada bar navigasi dalam menu dropdown “Support”. Pilihan ini bertujuan untuk memudahkan pengguna rabun warna untuk melayari laman-laman web ini dengan lebih selesa serta kondusif.



ASPEK 6.4 MANUAL PENGGUNA

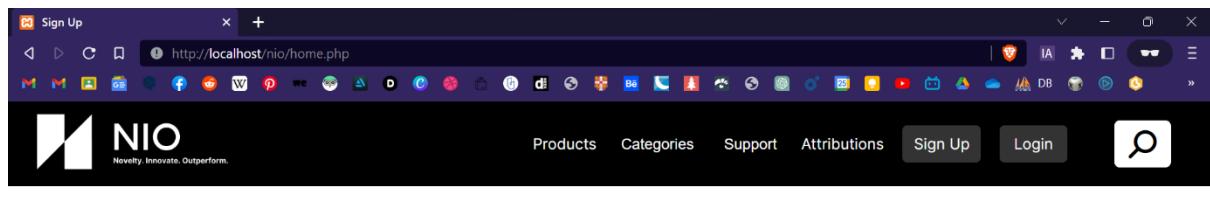
● Laman Utama



1. Butang pada bar navigasi
 - i) Logo Syarikat
 - a) Menu Utama.
 - ii) Products
 - a) Memaparkan semua produk.
 - iii) Categories
 - a) Mobile: Produk mobile.
 - b) Audio: Produk audio.
 - c) Computers & Laptops: Produk komputer.
 - d) TV & Monitors: Produk televisyen dan monitor.
 - e) Home Appliances: Produk peralatan rumah.

- f) Accessories: Produk Aksesori.
 - iv) Support
 - a) Contact: Menghubungi pencipta laman web.
 - b) Colour change: Tukar warna laman web.
 - v) Attributions
 - a) Maklumat laman web, pencipta laman web dan guru pencipta laman web.
 - vi) Sign Up
 - a) Daftar pengguna
 - vii) Login
 - a) Log masuk pengguna
 - viii) Ikon carian
 - a) Bar carian
2. View Details
- o Paparkan Produk tersebut

● Laman Daftar Pengguna



Sign Up

Are you a user or seller?



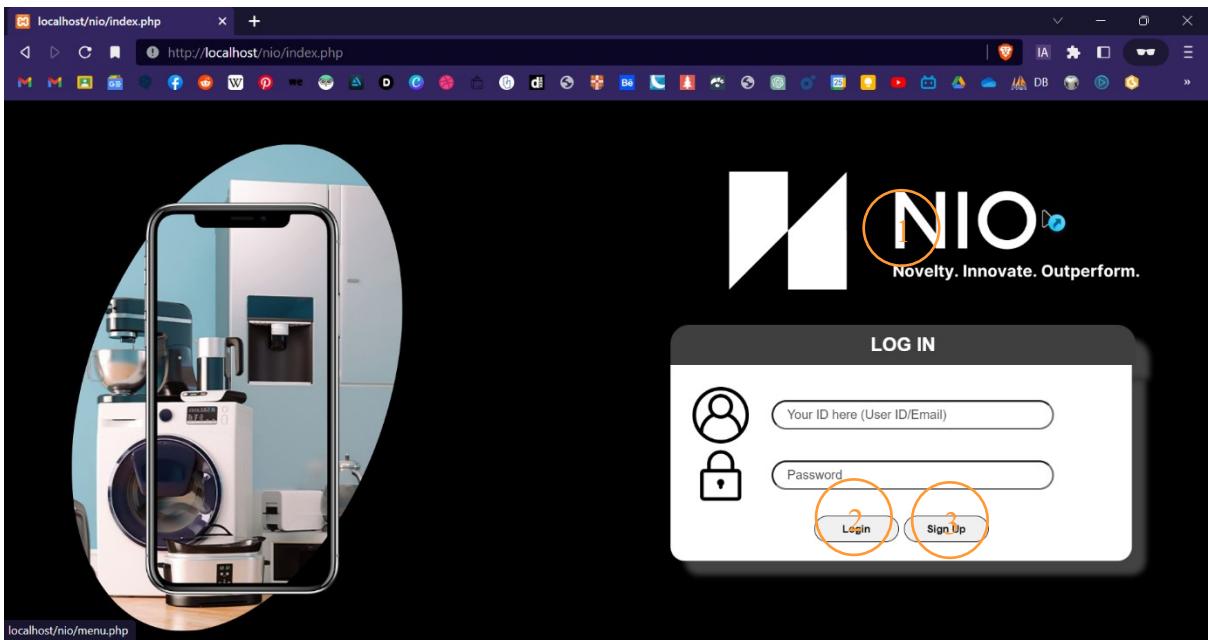
-
- 1. User
 - o Daftar sebagai pembeli
 - 2. Seller
 - o Daftar sebagai penjual

- Laman Daftar Pembeli dan Penjual



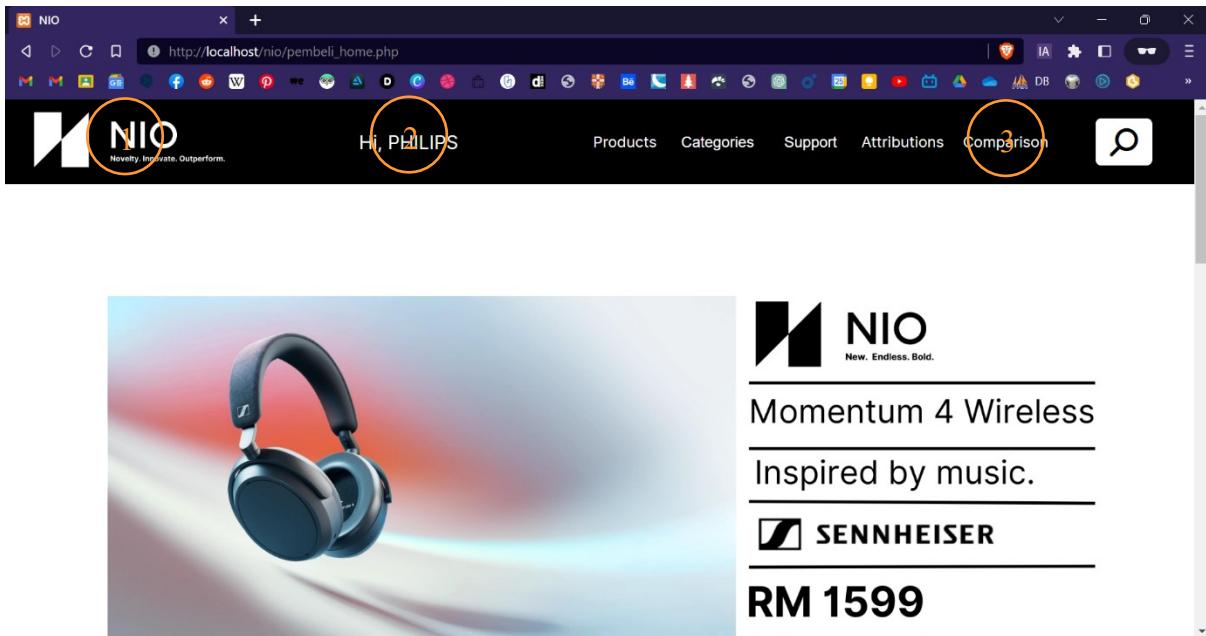
1. Logo Syarikat
 - Kembali ke menu utama.
2. Sign Up
 - Daftarkan sebagai pembeli/penjual setelah mengisi maklumat (nombor kp, nama, emel, kata laluan / id penjual, nama penjual, kata laluan).
3. Cancel
 - Menetapkan semula ruangan teks (nombor kp, nama, emel, kata laluan / id penjual, nama penjual, kata laluan).

- Log Masuk Pengguna



1. Logo Syarikat
 - Kembali ke halaman utama.
2. Login
 - Log masuk sebagai pembeli setelah mengisi maklumat [id pengguna(nombor kp, id penjual, id admin)/emel, katalaluan].
3. Sign Up
 - Daftar sebagai pengguna.

- Menu Utama Pembeli



1. Logo Syarikat
 - Kembali ke menu pembeli
2. Ucapan salam kepada pengguna.
 - Memaparkan laman akaun.
3. Comparison
 - Senarai bandingan.

- Laman Akaun

The screenshot shows the NIO website account page. At the top, there is a navigation bar with links for Products, Categories, Support, Attributions, and a search icon. The 'Logout' and 'Edit' buttons in the user profile section are circled in orange. The user profile section displays the name 'PHILIPS' and User ID '101010101010'. The 'Logout' button is red, and the 'Edit' button is black.

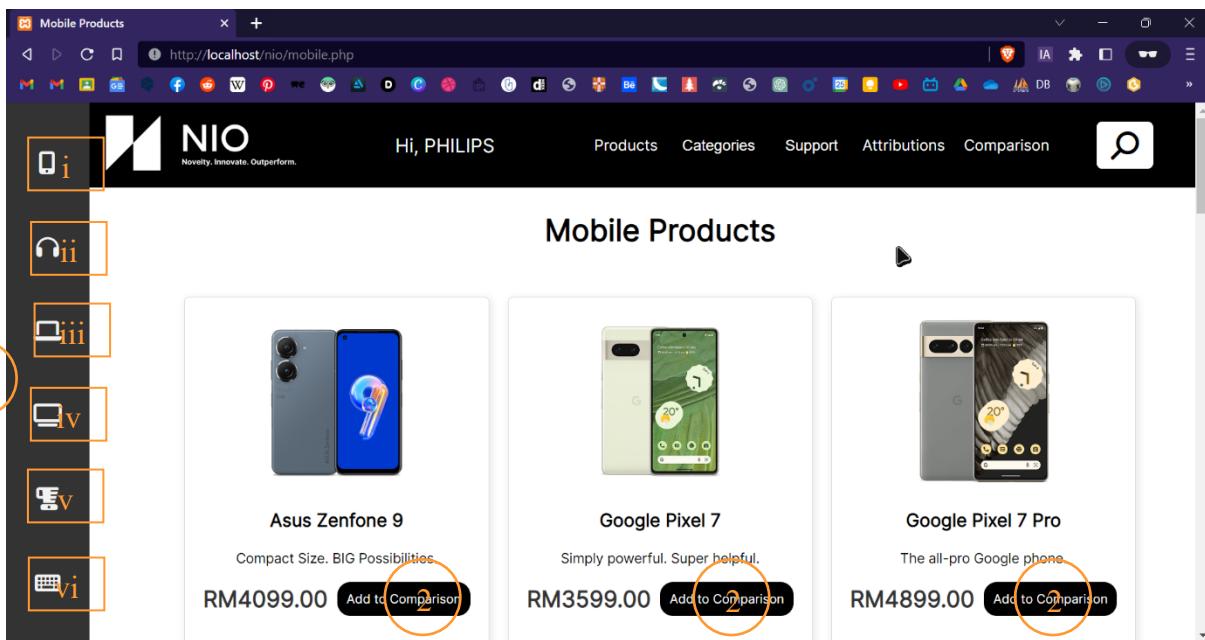
1. Logout
 - Log keluar pengguna.
2. Edit
 - Mengemas kini maklumat pengguna.

- Laman kemas kini maklumat pembeli dan penjual

The image displays two screenshots of the NIO website's edit forms. The top screenshot shows the 'Edit Buyer' form with fields for No KP (101010101010), Pembeli Name (PHILIPS), Email (phillips1012@gmail.com), and Password (redacted). The bottom screenshot shows the 'Edit Seller' form with fields for Seller ID (061206010415), Seller Name (RAVINA), and Password (redacted). Both forms feature 'Save Changes' and 'Cancel' buttons at the bottom, which are circled in orange.

1. Save Changes
 - Kemas kini maklumat.
2. Cancel
 - Kembali ke laman akaun.

- Laman Kategori



Contoh selepas menekan butang kategori Mobile.

1. Butang pada bar navigasi sisi
 - i) Mobile
 - ii) Audio
 - iii) Computer & Laptops
 - iv) TV & Monitors
 - v) Home Appliances
 - vi) Accessories
2. Add to Comparison
 - Tambah ke senarai bandingan.

- Laman Bandingan

The screenshot shows a web browser window titled "Comparison List" from the NIO website. The URL is http://localhost/nio/cart.php. The page displays a comparison list with two items:

| Product Name | Image | Price | Quantity | Subtotal | Action |
|-------------------------------------|-------|-----------|---|------------|---------------------|
| Asus Zenfone 9 | | RM4099.00 | <input type="text" value="1"/> 1 | RM4,099.00 | Remove |
| Panasonic 1550W Cordless Steam Iron | | RM370.00 | <input type="text" value="1"/> 1 | RM370.00 | Remove |
| Total | | | | RM4469 | |

At the bottom of the table, there are two buttons with orange circles around them, labeled 3 and 4:

- 3 Clear Comparison
- 4 Print

1. Quantity
 - Menetapkan kuantiti produk untuk mendapat jangkaan harga
2. Remove
 - Keluarkan produk tersebut dari senarai bandingan
3. Clear Comparison
 - Kosongkan senarai bandingan
4. Print
 - Cetakkan senarai bandingan

- Menu Utama Penjual

The screenshot shows a web browser window for the NIO website (http://localhost/nio/penjual_home.php). The page title is 'List Your Product'. The interface includes a logo, a greeting 'Hi, RAVINA', and navigation links for 'Edit Products', 'Support', and 'Attributions'. The main form is titled 'List Your Product' and contains fields for Product Name, Product Description, Select a category, Brand, Product Image, and Product Price. Each field is numbered from 1 to 6, indicating its position relative to the numbered callouts.

| Number | Element |
|--------|---|
| 1 | Logo Syarikat |
| 2 | Ucapan salam kepada pengguna. |
| 3 | Edit Products |
| 4 | Maklumat produk yang diingin dimuat naikkan |
| 5 | Add Product |

1. Logo Syarikat
 - Kembali ke menu penjual
2. Ucapan salam kepada pengguna.
 - Memaparkan laman akaun.
3. Edit Products
 - Laman urus produk
4. Maklumat produk yang diingin dimuat naikkan
 - i) Product Name
 - a) Nama Produk
 - ii) Product Description
 - a) Keterangan produk
 - iii) Select a category
 - a) Pilih kategori produk
 - iv) Brand
 - a) Jenama Produk
 - v) Product Image
 - a) Muat naik gambar produk
 - vi) Product Price
 - a) Harga produk
5. Add Product
 - Memuat naik produk ke pangkalan data.

- Laman urus produk

The screenshot shows a web browser window titled "Edit Products" at the URL http://localhost/nio/home_edit_product.php. The page is branded with the NIO logo and slogan "Novelty. Innovate. Outperform.". The main content area is titled "Edit Products". It displays three product cards:

- Asus Zenfone 9**: Compact Size. BIG Possibilities. Price RM4099.00. Buttons: **Edit Product** (circled 1), **Remove Product** (circled 2).
- Google Pixel 7**: Simply powerful. Super helpful. Price RM3599.00. Buttons: **Edit Product**, **Remove Product**.
- Google Pixel 7 Pro**: The all-pro Google phone. Price RM4899.00. Buttons: **Edit Product**, **Remove Product**.

1. Edit Product
 - Kemas kini produk
2. Remove Product
 - Memadam produk dari pangkalan data.

- Laman kemas kini produk

The screenshot shows a web browser window titled 'Edit Product'. The URL is http://localhost/nio/edit_product.php?id=0339. The page has a dark header with the NIO logo and navigation links for 'Edit Sellers', 'Edit Products', 'Support', and 'Attributions'. The main content area is titled 'Edit Product' and contains the following fields:

- Product Name:** Google Pixel 7
- Product Description:** Sleek, powerful. Super helpful.
- Product Category:** Mobile
- Brand:** Google
- Product Image:** Choose file | No file chosen
- Product Price:** 3500.00

At the bottom right are two buttons: 'Save Changes' and 'Cancel', both of which are circled in orange.

1. Save Changes
 - Kemas kini produk.
2. Cancel
 - Kembali ke laman urus produk.
3. Maklumat produk yang diingin dikemas kini
 - i) Product Name
 - a) Nama Produk
 - ii) Product Description
 - a) Keterangan produk
 - iii) Select a category
 - a) Pilih kategori produk
 - iv) Brand
 - a) Jenama Produk
 - v) Product Image
 - a) Muat naik gambar produk
 - vi) Product Price
 - a) Harga produk

- Menu Utama Admin

The screenshot shows the NIO Admin Home page. At the top left is the NIO logo. To its right is the greeting "Hi, ISAAC". Further right are links for "Edit Sellers" (circled in orange), "Edit Products", "Support", and "Attributions". A magnifying glass icon is at the top right. Below the header is a large button labeled "Import Seller Data". Inside this button is a "CSV File:" input field with a "Choose file" button and a message "No file chosen". Below the input field are two buttons: "Import" (circled in orange) and "Download Template" (circled in orange).

1. Logo Syarikat
 - Kembali ke menu utama admin
2. Import
 - Memuat naik fail csv penjual ke pangkalan data.
3. Download Template
 - Memuat turun templat fail csv.
4. Edit Sellers
 - Mengurus penjual.

- Laman mengurus penjual

The screenshot shows the "Edit Sellers" page. At the top left is the "Edit Seller" logo. To its right is the greeting "Hi, ISAAC TEO". Further right are links for "Edit Sellers", "Edit Products", "Support", and "Attributions". A magnifying glass icon is at the top right. Below the header are four cards representing sellers:

- Seller 1: CORBUSIER (Phone: 012345678901). Buttons: "Edit Seller" (circled in orange), "Remove Seller" (circled in orange).
- Seller 2: Rachel (Phone: 060708010203). Buttons: "Edit Seller", "Remove Seller".
- Seller 3: RAZALI (Phone: 060723010713). Buttons: "Edit Seller", "Remove Seller".
- Seller 4: RAVINA (Phone: 061206010415). Buttons: "Edit Seller", "Remove Seller".

1. Edit Seller
 - Kemas kini maklumat penjual
2. Remove Seller
 - Memadam penjual dari pangkalan data

- Laman info syarikat dan maklumat pencipta laman web dengan gurunya

Attribution

1

About Us

Make life easier with a little help from us. Established since 2022, pioneering since then and exhibiting innovation, novelty, outstanding performance.

English College (EC)
Jalan Sungai Chat, Sri Gelam, 80100 Johor Bahru, Johor
4.4 ★★★★☆ 96 reviews
[View larger map](#)

Isaac Teo
Creator of NIO

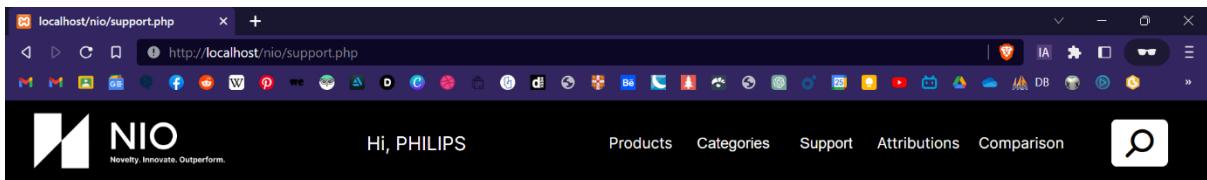
Cikgu Nurul Afzanizan

Kolam Air (Formerly)

Sultanah Engku Tun Amnah Secondary...
Citywoods Apartment
Ong Shun Seafood

1. Tukar warna
 - i) Black
 - a) Tukar kepada warna hitam.
 - ii) Red
 - a) Tukar kepada warna merah.
 - iii) Green
 - a) Tukar kepada warna hijau.
 - iv) Blue
 - a) Tukar kepada warna biru.
 - v) Indigo
 - a) Tukar kepada warna nila.
2. Kedudukan syarikat
 - i) Peta interaktif kedudukan syarikat melalui Google Maps

- Laman menghubungi pencipta laman web



Support

Need help with NIO? Contact us via the following options:



1. Telegram
 - Menghubungi pencipta laman web melalui platform mesej Telegram.
2. Email
 - Menghubungi pencipta laman web melalui e-mel.