

**LAPORAN RESMI**  
**PRAKTIKUM PEMROGRAMAN WEB**

UPLOAD & DOWNLOAD



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PROGRAM STUDI D4 TEKNIK INFORMATIKA  
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA  
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## 1. Database

Membuat database baru bernama upload, kemudian menambahkan field diantaranya yakni id, name, size, type, dan path.

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1	<b>id</b>	int(11)		Tidak	Tidak ada		AUTO_INCREMENT	Ubah  Hapus  Lainnya
<input type="checkbox"/>	2	<b>name</b>	varchar(100)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah  Hapus  Lainnya
<input type="checkbox"/>	3	<b>size</b>	varchar(20)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah  Hapus  Lainnya
<input type="checkbox"/>	4	<b>type</b>	varchar(200)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah  Hapus  Lainnya
<input type="checkbox"/>	5	<b>path</b>	varchar(200)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah  Hapus  Lainnya

## 2. Menyiapkan library

Menyiapkan library yang digunakan sebagai koneksi dengan database

### a. Config

```
<?php
$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = '';
$dbname = 'testing';
?>
```

### b. Opendb

```
<?php
$conn = mysqli_connect($dbhost, $dbuser, $dbpass,$dbname) or die ('Error connecting to mysql');
?>
```

### c. Closedb

```
<?php
mysqli_close($conn);
?>
```

## 3. Membuat folder

Membuat folder untuk menyimpan file yang telah diupload dengan nama “file”

## 4. Upload

Setelah itu, membuat file bernama upload.php yang berfungsi sebagai proses insert ke database sekaligus upload filenya.

```
<?php
include '../library/config.php';
include '../library/opendb.php';
$uploadDir = '../file/';
if (isset($_POST['upload'])) {
    $fileName = $_FILES['file']['name'];
    $name = explode('.', $fileName);
    $tmpName = $_FILES['file']['tmp_name'];
    $fileSize = $_FILES['file']['size'];
```

```

$fileType = $_FILES['file']['type'];
$filePath = $uploadDir.$fileName;
$result = move_uploaded_file($tmpName, $filePath);
if (!$result) {
    echo "Error uploading file";
    exit;
}else{
    $query = "INSERT INTO `upload` (name, size, type, path) " .
    "VALUES('$name[0]', '$fileSize', '$fileType', '$filePath')";
    mysqli_query($conn, $query) or die('Error, query failed');

    include '../library/closedb.php';
    header("location:index.php");
}
}
?>

```

## 5. Index

Membuat file bernama index.php yang digunakan untuk menampilkan mulai dari form untuk upload, data file yang telah terupload, dan juga link untuk mendownload tiap file tersebut. Saya melanjutkan program saat praktikum session kemarin. Jadi jika user telah berhasil login, maka akan ada pilihan menu baru yakni “File User” yang berguna untuk manajemen file user tersebut (upload dan download).

```

<html>
<head>
    <title>Main User Page</title>
    <meta http-equiv="Content-Type" content="text/html;
    charset=iso-8859-1">
    <!-- Custom fonts for this template-->
    <link href="../../vendor/fontawesome-
free/css/all.min.css" rel="stylesheet" type="text/css">
    <link href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,6
00,600i,700,700i,800,800i,900,900i" rel="stylesheet">

    <!-- Custom styles for this template-->
    <link href="../../css/sb-admin-2.min.css" rel="stylesheet">
</head>
<body id="page-top">

    <!-- Page Wrapper -->
    <div id="wrapper">

        <!-- Sidebar -->
        <ul class="navbar-nav bg-gradient-primary sidebar sidebar-
dark accordion" id="accordionSidebar">

            <!-- Sidebar - Brand -->

```

```

        <a class="sidebar-brand d-flex align-items-center justify-content-
center" href="index.html">
            <div class="sidebar-brand-text mx-3">Admin Page</div>
        </a>

        <!-- Divider -->
        <hr class="sidebar-divider my-0">

        <!-- Nav Item - Dashboard -->
        <li class="nav-item">
            <a class="nav-link" href="../main.php">
                <i class="fas fa-fw fa-tachometer-alt"></i>
                <span>Dashboard</span></a>
        </li>

        <!-- Divider -->
        <hr class="sidebar-divider">

        <!-- Heading -->

        <!-- Nav Item - Charts -->
        <li class="nav-item">
            <a class="nav-link" href="../profilUser.php">
                <i class="fas fa-user fa-sm fa-fw mr-2"></i>
                <span>Profile User</span></a>
        </li>

        <li class="nav-item active">
            <a class="nav-link" href="index.php">
                <i class="fas fa-fw fa-folder"></i>
                <span>File User</span></a>
        </li>

        <!-- Nav Item - Tables -->
        <li class="nav-item">
            <a class="nav-link" href="../dataMhs.php">
                <i class="fas fa-fw fa-table"></i>
                <span>Data Mahasiswa</span></a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#">
                <i class="fas fa-fw fa-chart-area"></i>
                <span>Data Tugas</span></a>
        </li>

        <!-- Divider -->
        <hr class="sidebar-divider d-none d-md-block">

```

```

        <!-- Sidebar Toggler (Sidebar) -->
        <div class="text-center d-none d-md-inline">
            <button class="rounded-circle border-0" id="sidebarToggle"></button>
        </div>
    </ul>
    <!-- End of Sidebar -->

    <!-- Content Wrapper -->
    <div id="content-wrapper" class="d-flex flex-column">

        <!-- Main Content -->
        <div id="content">

            <!-- Topbar -->
            <nav class="navbar navbar-expand navbar-light bg-white topbar mb-4 static-
top shadow">

                <!-- Sidebar Toggle (Topbar) -->
                <button id="sidebarToggleTop" class="btn btn-link d-md-none rounded-
circle mr-3">
                    <i class="fa fa-bars"></i>
                </button>

                <!-- Topbar Search -->
                <form
                    class="d-none d-sm-inline-block form-inline mr-auto ml-md-3 my-
2 my-md-0 mw-100 navbar-search">
                    <div class="input-group">
                        <input type="text" class="form-control bg-light border-
0 small" placeholder="Search for..."
                            aria-label="Search" aria-describedby="basic-addon2">
                        <div class="input-group-append">
                            <button class="btn btn-primary" type="button">
                                <i class="fas fa-search fa-sm"></i>
                            </button>
                        </div>
                    </div>
                </form>

                <!-- Topbar Navbar -->
                <ul class="navbar-nav ml-auto">

                    <!-- Nav Item - Search Dropdown (Visible Only XS) -->
                    <li class="nav-item dropdown no-arrow d-sm-none">
                        <a class="nav-link dropdown-
toggle" href="#" id="searchDropdown" role="button"
                            data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false">

```

```

        <i class="fas fa-search fa-fw"></i>
    </a>
    <!-- Dropdown - Messages -->
    <div class="dropdown-menu dropdown-menu-right p-
3 shadow animated--grow-in"
        aria-labelledby="searchDropdown">
        <form class="form-inline mr-auto w-100 navbar-search">
            <div class="input-group">
                <input type="text" class="form-control bg-
light border-0 small"
                    placeholder="Search for..." aria-label="Search"
                    aria-describedby="basic-addon2">
                <div class="input-group-append">
                    <button class="btn btn-primary" type="button">
                        <i class="fas fa-search fa-sm"></i>
                    </button>
                </div>
            </div>
        </form>
    </div>
</li>

    <!-- Nav Item - Alerts -->
    <li class="nav-item dropdown no-arrow mx-1">
        <a class="nav-link dropdown-
toggle" href="#" id="alertsDropdown" role="button"
            data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false">

            <i class="fas fa-bell fa-fw"></i>
            <!-- Counter - Alerts -->
            <span class="badge badge-danger badge-counter">1</span>
        </a>
        <!-- Dropdown - Alerts -->
        <div class="dropdown-list dropdown-menu dropdown-menu-
right shadow animated--grow-in"
            aria-labelledby="alertsDropdown">
            <h6 class="dropdown-header">
                Alerts Center
            </h6>
            <a class="dropdown-item d-flex align-items-
center" href="#">

                <div class="mr-3">
                    <div class="icon-circle bg-primary">
                        <i class="fas fa-file-alt text-white"></i>
                    </div>
                </div>
            </a>

```

```

<div class="small text-gray-
500">December 12, 2019</div>

<span class="font-weight-
bold">A new monthly report is ready to download!</span>
</div>
</a>
<a class="dropdown-item text-center small text-gray-
500" href="#">Show All Alerts</a>
</div>
</li>

<!-- Nav Item - Messages -->
<li class="nav-item dropdown no-arrow mx-1">
<a class="nav-link dropdown-
toggle" href="#" id="messagesDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false">

<i class="fas fa-envelope fa-fw"></i>
<!-- Counter - Messages -->
<span class="badge badge-danger badge-counter">2</span>
</a>
<!-- Dropdown - Messages -->
<div class="dropdown-list dropdown-menu dropdown-menu-
right shadow animated--grow-in"
aria-labelledby="messagesDropdown">
<h6 class="dropdown-header">
Message Center
</h6>
<a class="dropdown-item d-flex align-items-
center" href="#">

<div class="dropdown-list-image mr-3">

<div class="status-indicator bg-success"></div>
</div>
<div class="font-weight-bold">
<div class="text-
truncate">Hi there! I am wondering if you can help me with a problem I've been having.</div>
</div>
<div class="small text-gray-
500">Emily Fowler · 58m</div>
</div>
</a>
<a class="dropdown-item d-flex align-items-
center" href="#">

<div class="dropdown-list-image mr-3">

```



```


<div class="status-indicator bg-warning"></div>
</div>
<div>
<div class="text-
truncate">Last month's report looks great, I am very happy with the progress so far, keep u
p the good work!</div>
<div class="small text-gray-
500">Morgan Alvarez · 2d</div>
</div>
</a>
<a class="dropdown-item text-center small text-gray-
500" href="#">Read More Messages</a>
</div>
</li>

<div class="topbar-divider d-none d-sm-block"></div>

<!-- Nav Item - User Information -->
<li class="nav-item dropdown no-arrow">
<a class="nav-link dropdown-
toggle" href="#" id="userDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false">
<span class="mr-2 d-none d-lg-inline text-gray-
600 small">Aqilah Akmalia</span>

</a>
<!-- Dropdown - User Information -->
<div class="dropdown-menu dropdown-menu-right shadow animated--
grow-in"
aria-labelledby="userDropdown">
<a class="dropdown-item" href="../profilUser.php">
<i class="fas fa-user fa-sm fa-fw mr-2 text-gray-
400"></i>
Profile
</a>
<a class="dropdown-item" href="#">
<i class="fas fa-cogs fa-sm fa-fw mr-2 text-gray-
400"></i>
Settings
</a>
<a class="dropdown-item" href="#">
<i class="fas fa-list fa-sm fa-fw mr-2 text-gray-
400"></i>

```

```

                Activity Log
            </a>
            <div class="dropdown-divider"></div>
            <a class="dropdown-item" href="#" data-toggle="modal" data-
target="#logoutModal">
                <i class="fas fa-sign-out-alt fa-sm fa-fw mr-2 text-
gray-400"></i>
                Logout
            </a>
        </div>
    </li>

</ul>

</nav>
<!-- End of Topbar -->

<!-- Begin Page Content -->
<div class="container-fluid">

    <!-- Page Heading -->
    <div class="d-sm-flex align-items-center justify-content-between mb-4">
        <h1 class="h3 mb-0 text-gray-800">File User</h1>
        <br>
    </div>

    <!-- File User -->
    <div class="card shadow mb-4">
        <div class="card-body">
            <p>
                <form action="upload.php" method="POST" enctype="multipart/form-
data">

                    Select file to upload :
                    <input type="file" name="file" type="file">
                    <input type="submit" value="Upload" name="upload">
                </form>
            </p>
            <div class="table-responsive">
                <table class="table table-
bordered" id="dataTable" width="100%" cellpadding="0">
                    <thead>
                        <tr>
                            <th>No</th>
                            <th>Nama</th>
                            <th>Tipe File</th>
                            <th>Ukuran</th>
                            <th>Action</th>
                        </tr>

```

```

        </thead>
        <tbody>
            <?php
                include '../library/config.php';
                include '../library/opendb.php';

                $no = 0;
                $sql = "SELECT * FROM upload" ;
                $result = mysqli_query($conn, $sql);

                if (mysqli_num_rows($result) > 0) {
                    while ($row = mysqli_fetch_array($result)) {
                        ?>
                            <tr>
                                <td><?php echo $no=$no+1 ?></td>
                                <td><?php echo $row['name'] ?></td>
                                <td><?php echo $row['size'] ?></td>
                                <td><?php echo $row['type'] ?></td>
                                <td>
                                    <a class="btn btn-primary btn-sm" href="download.php?id=<?php echo $row['id'];?>" role="button">Download</a>
                                </td>
                            </tr>
                        <?php }
                    } else {
                        echo "0 results";
                    } include '../library/closedb.php';
                ?>
            </tbody>
        </table>
    </div>
</div>
</div>

<!-- /.container-fluid -->

</div>
<!-- End of Main Content -->

<!-- Footer -->
<footer class="sticky-footer bg-white">
    <div class="container my-auto">
        <div class="copyright text-center my-auto">
            <span>Copyright &copy; Aqilah Akmalia 2021</span>
        </div>
    </div>
</footer>

```

```

        <!-- End of Footer -->

    </div>
    <!-- End of Content Wrapper -->

</div>
<!-- End of Page Wrapper -->

<!-- Scroll to Top Button-->
<a class="scroll-to-top rounded" href="#page-top">
    <i class="fas fa-angle-up"></i>
</a>

<!-- Logout Modal-->
<div class="modal fade" id="logoutModal" tabindex="-1" role="dialog" aria-
labelledby="exampleModalLabel"
    aria-hidden="true">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel">Ready to Leave?</h5>
                <button class="close" type="button" data-dismiss="modal" aria-
label="Close">
                    <span aria-hidden="true">x</span>
                </button>
            </div>
            <div class="modal-
body">Select "Logout" below if you are ready to end your current session.</div>
            <div class="modal-footer">
                <button class="btn btn-secondary" type="button" data-
dismiss="modal">Cancel</button>
                <a class="btn btn-primary" href="../logout.php">Logout</a>
            </div>
        </div>
    </div>
</div>

<!-- Bootstrap core JavaScript-->
<script src="../vendor/jquery/jquery.min.js"></script>
<script src="../vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<!-- Core plugin JavaScript-->
<script src="../vendor/jquery-easing/jquery.easing.min.js"></script>

<!-- Custom scripts for all pages-->
<script src="../js/sb-admin-2.min.js"></script>

<!-- Page level plugins -->

```

```

<script src="../../vendor/chart.js/Chart.min.js"></script>

<!-- Page level custom scripts -->
<script src="../../js/demo/chart-area-demo.js"></script>
<script src="../../js/demo/chart-pie-demo.js"></script>

</body>
</html>

```

Analisa : Ada yang perlu diperhatikan untuk membuat fitur upload form, kita harus menambahkan atribut tambahan enctype="multipart/form-data", agar fitur upload dapat bekerja. Kemudian untuk menampilkan data-data file yang telah ter-upload, seperti praktikum minggu sebelumnya saya menggunakan query untuk menampilkan data-data terurut dalam tabel.

## 6. Download

Membuat file bernama download.php yang digunakan untuk proses mendownload file

```

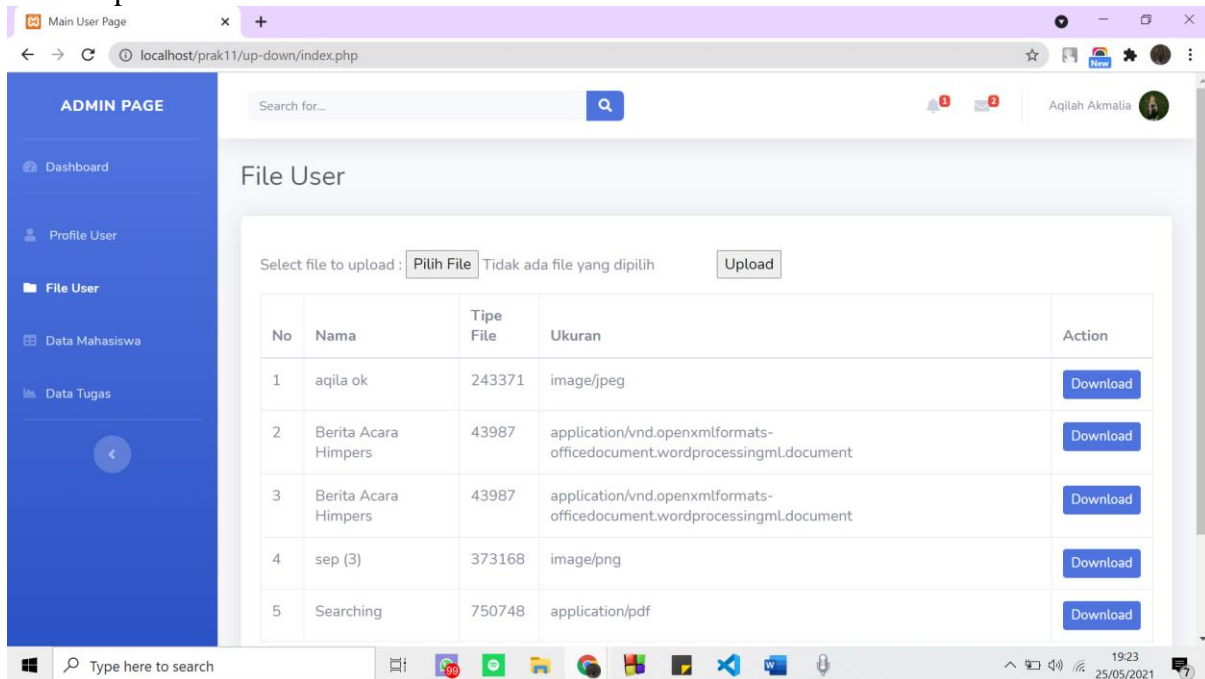
<?php
if (isset($_GET['id'])) {
include '../library/config.php';
include '../library/opendb.php';
$id = $_GET['id'];

$query = "SELECT name, type, size FROM upload WHERE id ='$id'";
$result = mysqli_query($conn, $query) or die('Error, query failed');
list($name, $type, $size, $content) = mysqli_fetch_array($result);
header("Content-Disposition: attachment; filename=$name");
header("Content-length: $size");
header("Content-type: $type");
include '../library/closedb.php';
exit;
}
?>

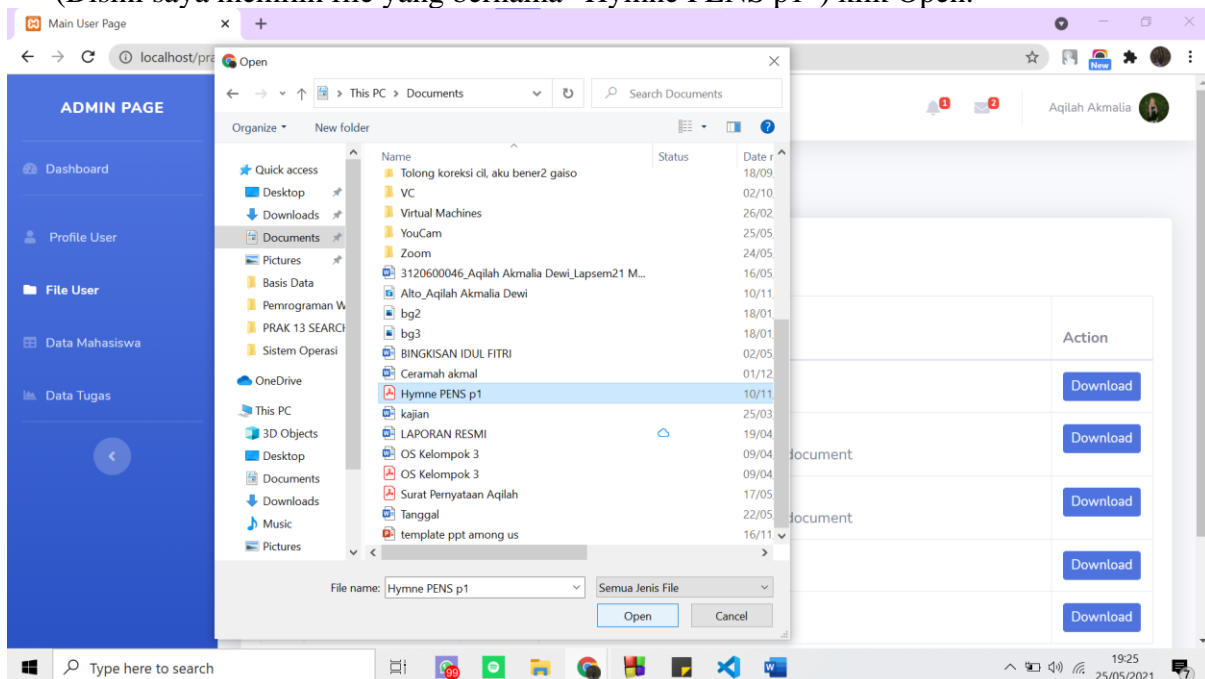
```

## 7. Output

### ❖ Tampilan dari File User



- ❖ Ketika kita ingin mengupload sebuah file maka tinggal mengeklik button “Pilih File”. Kemudian akan muncul seperti pada gambar. Setelah memilih file yang ingin di upload (Disini saya memilih file yang bernama “Hymne PENS p1”) klik Open.



❖ Maka otomatis, file “Hymne PENS p1” akan muncul pada data urutan selanjutnya.

The screenshot shows a web application with a sidebar menu on the left containing 'Dashboard', 'Profile User', 'File User', 'Data Mahasiswa', and 'Data Tugas'. The main content area is titled 'File User' and contains a table with the following data:

No	Nama	Tipe File	Ukuran	Action
1	aqila ok	243371	image/jpeg	<a href="#">Download</a>
2	Berita Acara Himpers	43987	application/vnd.openxmlformats-officedocument.wordprocessingml.document	<a href="#">Download</a>
3	Berita Acara Himpers	43987	application/vnd.openxmlformats-officedocument.wordprocessingml.document	<a href="#">Download</a>
4	sep (3)	373168	image/png	<a href="#">Download</a>
5	Searching	750748	application/pdf	<a href="#">Download</a>
6	Hymne PENS p1	1886128	application/pdf	<a href="#">Download</a>

❖ Pada database juga berlaku demikian, file “Hymne PENS p1” berhasil diinsertkan.

The screenshot shows the phpMyAdmin interface for a database named 'testing'. The 'upload' table is selected, and the SQL query 'SELECT \* FROM `upload`' is shown. The table contains 24 rows of data, with the last row being 'Hymne PENS p1'.

id	name	size	type	path
15	aqila ok	243371	image/jpeg	../file/aqila ok.jpg
16	Berita Acara Himpers	43987	application/vnd.openxmlformats-officedocument.word...	../file/Berita Acara Himpers.docx
17	Berita Acara Himpers	43987	application/vnd.openxmlformats-officedocument.word...	../file/Berita Acara Himpers.docx
18	sep (3)	373168	image/png	../file/sep (3).png
21	Searching	750748	application/pdf	../file/Searching.pdf
24	Hymne PENS p1	1886128	application/pdf	../file/Hymne PENS p1.pdf

- ❖ Selanjutnya, saya akan mencoba mendownload sebuah file yang bernama “Berita Acara Himpers”. Ketika mengeklik button download, maka file tsb akan langsung terdownload.

localhost/prak11/up-down/index.php

### File User

Select file to upload :  Tidak ada file yang dipilih

No	Nama	Tipe File	Ukuran	Action
1	aqila ok	243371	image/jpeg	<input type="button" value="Download"/>
2	Berita Acara Himpers	43987	application/vnd.openxmlformats-officedocument.wordprocessingml.document	<input type="button" value="Download"/>
3	Berita Acara Himpers	43987	application/vnd.openxmlformats-officedocument.wordprocessingml.document	<input type="button" value="Download"/>
4	sep (3)	373168	image/png	<input type="button" value="Download"/>
5	Searching	750748	application/pdf	<input type="button" value="Download"/>
6	Berita Acara Himpers.docx	1886128	application/pdf	<input type="button" value="Download"/>

localhost/prak11/file/Berita Acara Himpers.docx

19:27 25/05/2021