

LAPORAN
PRAKTIKUM PENGEMBANGAN BERBASIS PLATFORM B2



PRAKTIKUM MANAJEMEN PENGEMBANGAN BERBASIS PLATFORM KE-5

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PRODI S-1 INFORMATIKA

FAKULTAS SAINS DAN MATEMATIKA

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1. Selesaikanlah contoh penggunaan Ajax pada sub bab praktikum 3.2–3.5.

Praktikum	File yang me-request	Fungsi javascript yang dipanggil	File yang di-request
3.2	Show_server_time.php	get_server_time()	get_server_time.php
3.3	add_customer.php	add_customer_get()	add_customer_get.php
3.4	add_customer.php	add_customer_post()	add_customer_post.php
3.5	show_customer.php	showcustomer(this.value)	get_customer.php

Praktikum 3.2

a. show_server_time.php

```
<!-- File      : show_server_time.html
     Deskripsi  : Menampilkan waktu server dengan ajax -->

<?php include("../header.html"); ?><br />

<div class="container">
  <div class="card">
    <div class="card-header">Ajax Server Time</div>
    <div class="card-body">
      <button class="btn btn-success"
onclick="get_server_time()">Show Server Time</button><br /><br
/>
      <div id="showTime"></div>
    </div>
  </div>
</div>

<?php include("../footer.html") ?><br />
```

b. get_server_time()

```
function get_server_time() {
  const xmlhttp = getXMLHttpRequest();
  const page = "get_server_time.php";

  xmlhttp.open("GET", page, true);
  xmlhttp.onreadystatechange = function () {
    document.getElementById("showTime").innerHTML = `
      `;
  };
}
```

```

        if (xmlHttp.readyState == 4 && xmlHttp.status == 200) {
            document.getElementById("showTime").innerHTML =
xmlHttp.responseText;
        }
    };

    xmlHttp.send(null);
}

```

c. get_server_time.php

```

<?php
    //menampilkan waktu server
    echo date('H:i:s');
?>

```

Praktikum 3.3

a. add_customer.php

```

<?php include("../header.html"); ?>

<div class="container">
    <div class="card">
        <div class="card-header">Add Customers Data</div>
        <div class="card-body">
            <form method="POST" autocomplete="on">
                <div class="form-group">
                    <label for="name">Nama</label>
                    <input type="text" class="form-control" id="name"
name="name">
                </div>
                <div class="form-group">
                    <label for="address">Address</label>
                    <textarea name="address" id="address" cols="30"
rows="10" class="form-control"></textarea>
                </div>
                <div class="form-group">
                    <label for="city">City:</label>
                    <select name="city" id="city" class="form-control"
required>
                        <option value="Airport West">Airport West</option>
                        <option value="Box Hill">Box Hill</option>
                        <option value="Yarraville">Yarraville</option>
                    </select>
                </div><br>
                <button type="button" class="btn btn-primary"
onclick="add_customer_post()">Add</button>
            </form>
        </div>
    </div>
</div>

```

```

        </form><br>
        <div id="add_response"></div>
    </div>
</div>

<?php include("../footer.html"); ?>

```

b. add_customer_get()

```

function add_customer_get() {
    const xmlhttp = getXMLHttpRequest();

    // get input value
    const name = encodeURIComponent(document.getElementById("name").value);
    const address =
encodeURIComponent(document.getElementById("address").value);
    const city = encodeURIComponent(document.getElementById("city").value);

    // validate
    if (name !== "" && address !== "" && city !== "") {
        // set url and inner
        const url =
            "add_customer_get.php?name=" +
            name +
            "&address=" +
            address +
            "&city=" +
            city;

        // alert(url);
        const inner = "add_response";

        // open request
        xmlhttp.open("GET", url, true);
        xmlhttp.onreadystatechange = function () {
            document.getElementById(inner).innerHTML = `
                `;

            if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
                document.getElementById(inner).innerHTML =
xmlhttp.responseText;
            }

            return false;
        };

        xmlhttp.send(null);
    } else {
        alert("Please fill all the fields");
    }
}

```

```
}
```

c. add_customer_get.php

```
<?php
    require_once("../db_login.php");

    $name = $db->real_escape_string($_GET["name"]);
    $address = $db->real_escape_string($_GET["address"]);
    $city = $db->real_escape_string($_GET["city"]);

    // assign & query
    $query = "INSERT INTO customers (name, address, city) VALUES
('" . $name . "', '" . $address . "', '" . $city . "') ";
    $result = $db->query($query);

    if (!$result) {
        echo "<div class='alert alert-danger alert-dismissible'>
            <strong>Error!</strong> Could not query the
database<br />'"
            . $db->error . "<br>query = '" . $query . "'
            </div>";
    } else {
        echo "<div class='alert alert-success alert-dismissible'>
            <strong>Success!</strong> Data has been added.<br>
            Name: '" . $_GET["name"] . "'<br>
            Address: '" . $_GET["address"] . "'<br>
            City: '" . $_GET["city"] . "'<br>
            </div>";
    }

    // close db connection
    $db->close();
?>
```

Praktikum 3.4

a. add_customer.php

```
<?php include("../header.html"); ?>

<div class="container">
    <div class="card">
        <div class="card-header">Add Customers Data</div>
        <div class="card-body">
            <form method="POST" autocomplete="on">
                <div class="form-group">
                    <label for="name">Nama</label>
```

```

        <input type="text" class="form-control" id="name"
name="name">
    </div>
    <div class="form-group">
        <label for="address">Address</label>
        <textarea name="address" id="address" cols="30"
rows="10" class="form-control"></textarea>
    </div>
    <div class="form-group">
        <label for="city">City:</label>
        <select name="city" id="city" class="form-control"
required>
            <option value="Airport West">Airport West</option>
            <option value="Box Hill">Box Hill</option>
            <option value="Yarraville">Yarraville</option>
        </select>
    </div><br>
    <button type="button" class="btn btn-primary"
onclick="add_customer_post()">Add</button>
</form><br>
    <div id="add_response"></div>
</div>
</div>
</div>

<?php include("../footer.html"); ?>

```

b. add_customer_post()

```

function add_customer_post() {
    const xmlhttp = getXMLHttpRequest();

    // get input value
    const name = encodeURIComponent(document.getElementById("name").value);
    const address =
encodeURIComponent(document.getElementById("address").value);
    const city = encodeURIComponent(document.getElementById("city").value);

    if (name != "" && address != "" && city != "") {
        // set url and inner
        const url = "add_customer_post.php";
        alert(url);
        const inner = "add_response";

        // set parameter and open request
        const params = "name=" + name + "&address=" + address +
"&city=" + city;

        xmlhttp.open("POST", url, true);
        xmlhttp.setRequestHeader(
            "Content-type",

```

```

        "application/x-www-form-urlencoded"
    );

    xmlhttp.onreadystatechange = function () {
        document.getElementById(inner).innerHTML = `
            `;

        if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
            document.getElementById(inner).innerHTML =
            xmlhttp.responseText;
        }

        return false;
    };

    xmlhttp.send(params);
} else {
    alert("Please fill all the fields");
}
}

```

c. add_customer_post.php

```

<?php
    require_once("./db_login.php");

    $name = $db->real_escape_string($_POST["name"]);
    $address = $db->real_escape_string($_POST["address"]);
    $city = $db->real_escape_string($_POST["city"]);

    // assign a query
    $query = "INSERT INTO customers (name, address, city)
VALUES(' . $name . ',' . $address . ',' . $city . ')";
    $result = $db->query($query);

    if (!$result){
        echo '<div class="alert alert-danger
alert-dismissible">
            <strong>Error!</strong> Could not query the
database<br>'.
            $db->error . '<br>query = ' . $query . '
        </div>';
    }else{
        echo '<div class="alert alert-success
alert-dismissible">
            <strong>Success!</strong> Data has been added.<br>
            Name: ' . $_POST["name"] . '<br>
            Address: ' . $_POST["address"] . '<br>
            City: ' . $_POST["city"] . '<br>
        </div>';
    }
}

```

```
?>
```

Praktikum 3.5

a. show_customer.php

```
<!--File      : show_customer.php
Deskripsi    : menampilkan data customers -->

<?php include('./header.html') ?>

<div class="container">
    <br>
    <div class="card">
        <div class="card-header">Show Customers Data</div>
        <div class="card-body">
            <select name="customer" id="customer"
class="form-control" onchange="showCustomer(this.value)">
                <option value="">--Select a Customer--</option>
            <?php
                require_once('./db_login.php');

                //Assign a query
                $query = "SELECT * FROM customers ORDER BY
customerid ";
                $result = $db->query($query);

                if (!$result) {
                    die ("Could not query the database: <br />" .
$db->error);
                }

                // Fetch and display the results
                while ($row = $result->fetch_object()) {
                    echo '<option value="' . $row->customerid . '"' .
$row->name . '</option>';
                }

                $result->free();
                $db->close();
            ?>
        </select>
        <br>
        <div id="detail_customer"></div>
    </div>
</div>

<?php include('./footer.html') ?>
```


b. showcustomer(this.value)

```
function showCustomer(customerid) {
    const inner = "detail_customer";
    const url = "get_customer.php?id=" + customerid;

    if (customerid == "") {
        document.getElementById(inner).innerHTML = "";
    } else {
        callAjax(url, inner);
    }
}

function showBook(title) {
    const inner = "detail_book";
    const url = "get_book.php?book=" + title;

    if (title == "") {
        document.getElementById(inner).innerHTML = "";
    } else {
        callAjax(url, inner);
    }
}
```

c. get_customer.php

```
<?php
    require_once('./db_login.php');

    $customerid = $_GET['id'];

    //Assign a query
    $query = "SELECT * FROM customers WHERE customerid=" .
    $customerid;
    $result = $db->query( $query );

    if (!$result) {
        die ("Could not query the database: <br />" . $db->error);
    }

    // Fetch and display the results
    while ($row = $result->fetch_object()) {
        echo 'Name: ' . $row->name . '<br />';
        echo 'Address: ' . $row->address . '<br />';
        echo 'City: ' . $row->city . '<br />';
    }

    $result->free();
    $db->close();
?>
```

2. Buatlah file untuk pencarian data buku berdasarkan judul yang diketik, lalu menampilkan detail buku pada halaman yang sama menggunakan Ajax.

a. search_book.php

```
<!--File      : search_book.php
      Deskripsi : menampilkan data buku -->

<?php include('./header.html') ?>

<div class="container">
    <br>
    <div class="card">
        <div class="card-header">Search Book Data</div>
        <div class="card-body">
            <form onsubmit="return false">
                <input type="text" name="book" id="book" class="form-control
mb-1" placeholder="Cari berdasarkan judul buku.."
onchange="showBook(this.value)">
                <button type="button" class="btn btn-primary
w-100">Submit</button>
            </form>
            <br>
            <div id="detail_book"></div>
        </div>
    </div>
</div>

<?php include('./footer.html') ?>
```

b. get_book.php

```
<?php
    require_once('./db_login.php');

    $title = $_GET['book'];

    //Assign a query
    $query = "SELECT * FROM books WHERE title='" . $title . "'";
    $result = $db->query( $query );

    if (!$result) {
        die ("Could not query the database: <br />" . $db->error);
    }

    // Fetch and display the results
    if (mysqli_num_rows($result)) {
```

```

        while ($row = $result->fetch_object()) {
            echo 'ISBN: ' . $row->isbn . '<br />';
            echo 'Author: ' . $row->author . '<br />';
            echo 'Title: ' . $row->title . '<br />';
            echo 'Price: $' . $row->price . '<br />';
        }
    } else {
        echo "Data buku tidak ditemukan!";
    }

    $result->free();
    $db->close();
?>

```

c. **showBook(this.value)**

```

function showBook(title) {
    const inner = "detail_book";
    const url = "get_book.php?book=" + title;

    if (title == "") {
        document.getElementById(inner).innerHTML = "";
    } else {
        callAjax(url, inner);
    }
}

```

d. **callAjax(url,inner)**

```

function callAjax(url, inner) {
    const xmlhttp = getXMLHttpRequest();
    xmlhttp.open("GET", url, true);

    xmlhttp.onreadystatechange = function () {
        document.getElementById(inner).innerHTML = `
            `;

        if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
            document.getElementById(inner).innerHTML = xmlhttp.responseText;
        }

        return false;
    };

    xmlhttp.send(null);
}

```