

ajax1

index.php

```
<?php require 'functions.php';
$conn = konek();

$provinsi = query($conn, "SELECT * FROM provinsi");
$kota = query($conn, "SELECT * FROM kota ORDER BY nama ASC");
?>
<!doctype html>
<html>
<head>
    <title>AJAX</title>
</head>
<body>
<form action="" method="post">
    <select name="provinsi" id="provinsi">
        <option disabled selected>Pilih Provinsi</option>
        <?php foreach( $provinsi as $baris ) : ?>
            <option value="<?= $baris["id"]; ?>"><?= $baris["nama"]; ?></option>
        <?php endforeach; ?>
    </select>
    <select name="kota" id="kota">
        <option disabled selected>Pilih Kota</option>
        <?php foreach( $kota as $baris ) : ?>
            <option value="<?= $baris["id"]; ?>"><?= $baris["nama"]; ?></option>
        <?php endforeach; ?>
    </select>
</form>
<script>
    var provinsi = document.getElementById('provinsi'),
        kota = document.getElementById('kota');

    provinsi.onchange = function() {
        var xhr = null;
        if( window.XMLHttpRequest ) {
            xhr = new XMLHttpRequest();
        } else {
            xhr = new ActiveXObject("Microsoft.XMLHTTP");
        }

        if( xhr == null ) {
            alert("browser tidak mendukung ajax!");
            return;
        }

        var url = "cek_kota.php?id=" + provinsi.value;

        xhr.onreadystatechange = function() {
            if( (xhr.readyState == 4) && (xhr.status == 200) ) {
                kota.innerHTML = xhr.responseText;
            }
        }
        xhr.open("GET", url, true);
        xhr.send();
    }
}
```

cek_kota.php

```
<?php
require 'functions.php';
$conn = konek();

$id = $_GET["id"];

$kota = query($conn, "SELECT * FROM kota WHERE id_provinsi = $id");

if( empty($kota) ) : ?>

    <option>Belum ada Data</option>

<?php else : ?>

    <?php foreach( $kota as $baris ) : ?>
        <option value="<?= $baris["id"]; ?>"><?= $baris["nama"]; ?></option>
    <?php endforeach; ?>

<?php endif; ?>

?>
```

functions.php

```
<?php
function konek() {
    $conn = mysqli_connect("localhost", "root", "root") or die("Koneksi gagal");
    mysqli_select_db($conn, "coba") or die("Database salah");

    return $conn;
}

function query($conn, $query) {
    $results = mysqli_query($conn, $query);

    $rows = array();
    while ( $row = mysqli_fetch_assoc($results) ) {
        $rows[] = $row;
    }

    return $rows;
}

?>
```

ajax2

index.php

```
<?php
```

```
require 'functions.php';
```

```
$conn = konek();
```

```
$komentar = query($conn, "SELECT * FROM komentar ORDER BY id DESC");
```

```
if( isset($_POST["submit"]) ) {
```

```
    if( simpan($conn, $_POST) > 0 ) {
```

```
        echo "<script>
```

```
            alert('Data Berhasil Disimpan');
```

```
        </script>";
```

```
    } else {
```

```
        echo "<script>
```

```
            alert('Data Gagal Disimpan');
```

```
        </script>";
```

```
    }
```

```
}
```

```
?>
```

```
<!doctype html>
```

```
<html>
```

```
<head>
```

```
    <title>Kolom Komentar</title>
```

```
    <style>
```

```
        body { width: 500px; margin: auto;}
```

```
        ul {
```

```
            list-style: none;
```

```
            padding: 0;
```

```
        }
```

```
    </style>
```

```
</head>
```

```
<body>
```

```
<form action="" method="post" id="form-komentar">
```

```
    <ul>
```

```
        <li>
```

```
            <label for="nama">Nama: </label>
```

```
            <input type="text" name="nama" id="nama" autofocus required>
```

```
        </li>
```

```
        <li>
```

```
            <label for="komentar">Komentar : </label><br>
```

```
            <textarea name="komentar" id="komentar" cols="30" rows="10" required></textarea>
```

```
        </li>
```

```
        <li>
```

```
            <button type="submit" name="submit" id="submit">Simpan Komentar</button>
```

```
        </li>
```

```
    </ul>
```

```
</form>
```

```

<div>
    <h3>Daftar Komentar</h3>
    <ul id="daftar-komentar">
        <?php foreach( $komentar as $baris ) : ?>
            <li>
                <span class="tanggal">(<?= $baris["waktu"]; ?>)</span>
                <span class="nama"><?= $baris["nama"]; ?> : </span>
                <span class="komentar"><?= $baris["pesan"]; ?> </span>
            </li>
        <?php endforeach; ?>
    </ul>
</div>

```

```

<script src="js/script.js"></script>
</body>
</html>

```

functions.php

```

function simpan($conn, $post) {
    $waktu = date('d M Y H:i:s');
    $nama = htmlspecialchars($post["nama"]);
    $komentar = htmlspecialchars($post["komentar"]);

    $query = "INSERT INTO komentar
              VALUES ('', '$nama', '$komentar', '$waktu')";

    mysqli_query($conn, $query);

    return mysqli_affected_rows($conn);
}

```

simpan_komentar.php

```

<?php
require 'functions.php';
$conn = koneksi();

if( simpan($conn, $_POST) > 0 ) {
    $komentar = query($conn, "SELECT * FROM komentar ORDER BY id DESC");

    foreach( $komentar as $baris ) {
        echo "<li>
            <span class='tanggal'>{ $baris[\"waktu\"]}</span>
            <span class='nama'>{ $baris[\"nama\"]} : </span>
            <span class='komentar'>{ $baris[\"pesan\"]}</span>
        </li>";
    }

} else { echo "terjadi kesalahan"; }

?>

```

script.js

```
var form = document.getElementById('form-komentar');

form.onsubmit = function(event) {
    var xhr = null,
        nama = document.getElementById('nama'),
        pesan = document.getElementById('komentar');

    if( window.XMLHttpRequest ) {
        xhr = new XMLHttpRequest();
    } else {
        xhr = new ActiveXObject("Microsoft.XMLHTTP");
    }

    if( xhr === null ) {
        alert("browser tidak mendukung ajax!");
        return;
    }

    xhr.onreadystatechange = function() {
        if( (xhr.readyState == 4) && (xhr.status == 200) ) {
            document.getElementById('daftar-komentar').innerHTML = xhr.responseText;
        }
    };

    xhr.open("POST", "simpan_komentar.php", true);
    xhr.setRequestHeader("Content-type","application/x-www-form-urlencoded");
    xhr.send("nama=" + nama.value + "&komentar=" + pesan.value);

    nama.value = "";
    pesan.value = "";
    event.preventDefault();
};
```

ajax3

index.php

tambahkan ini sebelum <h3>daftar komentar</h3>

```
<div id="loading" style="display: none;"></div>
```

script.js

tambahkan ini di var

```
loading = document.getElementById('loading')
```

tambahkan ini

```
loading.style.display = "block";
```

```
xhr.onreadystatechange = function() {  
    if( xhr.readyState == 4 ) {
```

```
        loading.style.display = "none";
```

```
        if( xhr.status == 200 ) {
```

```
            document.getElementById('daftar-komentar').innerHTML = xhr.responseText;
```

```
        }
```

```
    }
```

```
};
```

simpan_komentar.php

tambahkan ini dibawah konek();

```
sleep(2);
```