

Coding Bagi Index.php

```
<?php
include 'function.php';
?>

<!DOCTYPE html>
<html lang="ms">
<head>
    <meta charset="UTF-8">
    <title>Kalkulator Elektrik</title>

    <!-- Bootstrap 4 -->
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>

<body class="container mt-5">

<h3 class="mb-4">Kalkulator Penggunaan Elektrik</h3>

<form method="post">
    <div class="form-group">
        <label>Voltan (V)</label>
        <input type="number" step="any" name="voltan" class="form-control"
required>
    </div>

    <div class="form-group">
        <label>Arus (A)</label>
        <input type="number" step="any" name="arus" class="form-control"
required>
    </div>

    <div class="form-group">
        <label>Kadar (sen/kWh)</label>
        <input type="number" step="any" name="kadar" class="form-control"
required>
    </div>

    <button type="submit" class="btn btn-primary">Kira</button>
</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $voltan = $_POST['voltan'];
    $arus    = $_POST['arus'];
```

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    $kadar = $_POST['kadar'];

    // Kiraan Sejam
    $sejam = kiraElektrik($voltan, $arus, 1, $kadar);

    // Kiraan Sehari (24 jam)
    $sehari = kiraElektrik($voltan, $arus, 24, $kadar);
?>
<hr>

<h4>Keputusan</h4>

<p><strong>Kuasa:</strong> <?php echo $sejam['power']; ?> Watt</p>

<h5>Penggunaan Sejam</h5>
<ul>
    <li>Tenaga: <?php echo number_format($sejam['energy'], 4); ?> kWh</li>
    <li>Jumlah Caj: RM <?php echo number_format($sejam['total'], 2); ?></li>
</ul>

<h5>Penggunaan Sehari (24 Jam)</h5>
<ul>
    <li>Tenaga: <?php echo number_format($sehari['energy'], 4); ?> kWh</li>
    <li>Jumlah Caj: RM <?php echo number_format($sehari['total'], 2); ?></li>
</ul>

<?php } ?>

</body>
</html>

```

Coding Bagi Function.php

```
<?php
function kiraElektrik($voltan, $arus, $jam, $kadar)
{
    // Kira Kuasa (Watt)
    $power = $voltan * $arus;

    // Kira Tenaga (kWh)
    $energy = ($power * $jam) / 1000;

    // Kira Jumlah Caj (RM)
    $total = $energy * ($kadar / 100);

    return [
        'power' => $power,
        'energy' => $energy,
        'total' => $total
    ];
}
?>
```

Hasil Dari Coding Diatas

Kalkulator Penggunaan Elektrik

Voltan (V)

240

Arus (A)

5

Kadar (sen/kWh)

21.5

Kira

Keputusan

Kuasa: 1440 Watt

Penggunaan Sejam

- Tenaga: 1.4400 kWh
- Jumlah Caj: RM 0.31

Penggunaan Sehari (24 Jam)

- Tenaga: 34.5600 kWh
- Jumlah Caj: RM 7.43