

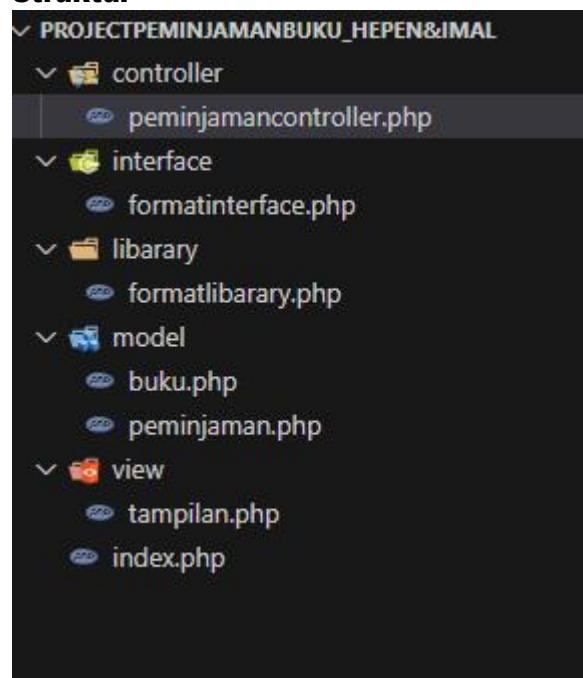
# Peminjaman Buku

**Nama: Immanoel pratama**

**No: 12**

**Kelas: XI-RPL 1**

## Struktur



## Controller/peminjamancontroller.php

```
<?php
class PeminjamanController {
    public function tampilkanData() {
        $buku1 = new Buku("Pemrograman OOP dengan PHP", "Indra Kurnia",
2023);
        $peminjaman1 = new Peminjaman($buku1, "Rifki");

        $buku2 = new Buku("Harry Potter by J.K. Rowling", "J.K.
Rowling", 2011);
        $peminjaman2 = new Peminjaman($buku2, "Umar Hadi");
        $view = new Tampilan();
        $view->tampilkan([$peminjaman1, $peminjaman2]);
    }
?>
```

**Interace/formatinterface.php**

```
<?php
interface FormatInterface {
    public function formatTampilan();
}
?>
```

**Library/formatlibrary**

```
<?php
class FormatLibrary implements FormatInterface {
    public function formatTampilan() {
        echo "<hr>";
    }
}
?>
```

**Model/buku.php**

```
<?php
class Buku {
    public $judul;
    public $penulis;
    public $tahunTerbit;

    public function __construct($judul, $penulis, $tahunTerbit) {
        $this->judul = $judul;
        $this->penulis = $penulis;
        $this->tahunTerbit = $tahunTerbit;
    }
}
?>
```

**Model/peminjaman.php**

```
<?php
class Peminjaman extends FormatLibrary {
    public $buku;
    public $peminjam;

    public function __construct($buku, $peminjam) {
        $this->buku = $buku;
        $this->peminjam = $peminjam;
    }

    public function tampilanData() {
        echo "<b>DATA PEMINJAMAN</b><br>";
        echo "Buku : " . $this->buku->judul . " oleh " . $this->buku-
>penulis . "<br>";
    }
}
```

```
        echo "Tahun Terbit : " . $this->buku->tahunTerbit . "<br>";
        echo "Peminjam : " . $this->peminjam . "<br>";
        $this->formatTampilan();
    }
}
?>
```

### **View/tampilan.php**

```
<?php
class Tampilan {
    public function tampilkan($dataPeminjaman) {
        foreach ($dataPeminjaman as $peminjaman) {
            $peminjaman->tampilkanData();
        }
    }
}
?>
```

### **Index.php**

```
<?php
require_once "interface/formatinterface.php";
require_once "libarary/formatlibarary.php";
require_once "model/buku.php";
require_once "model/peminjaman.php";
require_once "view/tampilan.php";
require_once "controller/peminjamanccontroller.php";

$controller = new PeminjamanController();
$controller->tampilkanData();
?>
```