

Pertemuan 5 – Pemrograman Internet (Web Dinamis)

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Cakupan Materi

- Pendahuluan
- Manajemen Database
- Koneksi ke database
- Operasi input data
- Operasi select data
- Operasi update data
- Operasi delete data

Pendahuluan

Perangkat yang dibutuhkan dalam web dinamis:

- Web server
 - Apache/IIS
 - PHP/ASP atau Bahasa Pemrograman Server lainnya
 - Database MySQL/Ms. Access atau database server lainnya (jika MySQL perlu perangkat MySQL GUI)
- Web editor (Mac. Dreamweaver, Ms. FrontPage, dll)
- Web browser (Mozilla Firefox, IE, Opera, dll)

Pendahuluan (2)

- Studi Kasus PHP+MySQL
- Perangkat yg digunakan:
 - WAMP Server (paket web server)
 - Mac. Dreamweaver 8
 - PhpMyAdmin
 - MySQL Front
 - Mozilla Firefox Browser

Pendahuluan (3)

- Persiapan :
 - Pastikan web server berjalan pada SO
 - Mengetahui struktur dokumen web (direktori skrip web)
 - Memahami konsep database dan normalisasi
 - Mengetahui mekanisme pemanggilan aplikasi/program
 - Menguasai SQL dan HTML

Project Sederhana

- Program pendataan penyakit
- Rancangan:
 - Tujuan : pendataan dan pengelolaan data penyakit
 - Fitur :
 - Input data penyakit
 - Menampilkan data penyakit
 - Hapus data penyakit
 - Edit data penyakit

Struktur Tabel dan Database

CREATE DATABASE contoh;

```
CREATE TABLE `penyakit` (  
  `kode` char(3) NOT NULL default '',  
  `nama` varchar(100) default NULL,  
  `definisi` longtext,  
  PRIMARY KEY (`kode`)  
);
```

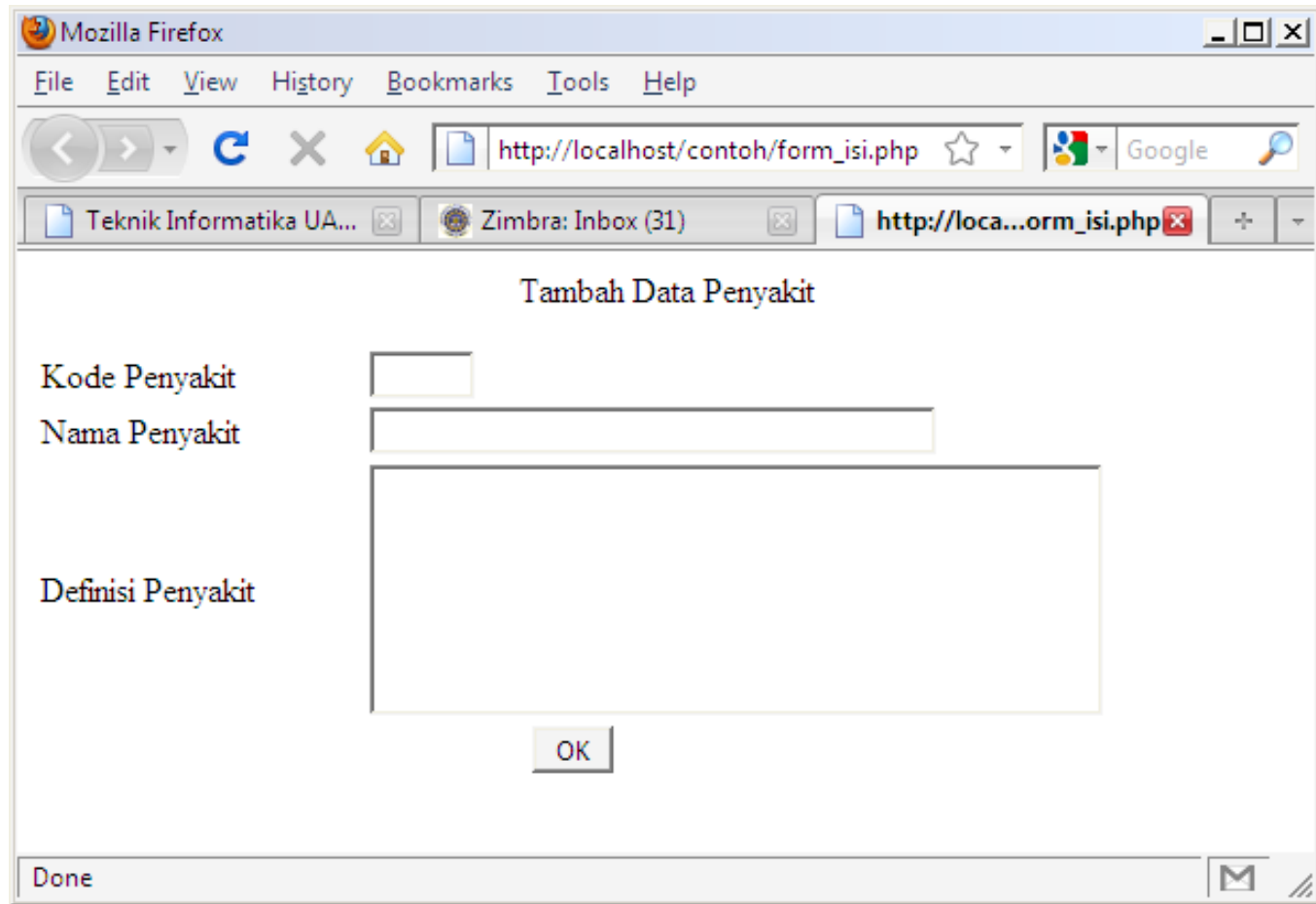
Koneksi ke Database

```
<?  
mysql_connect("localhost","root","");  
mysql_select_db("contohdb");  
>
```


Form isian Data (form_isi.php)

```
<? echo "<p align='center'>Tambah Data Penyakit</p>";  
echo "<form method='post' action='simpan_data.php'>";  
echo "<table><tr><td width=150>Kode Penyakit </td>  
    <td><input type='text' name='kode_penyakit' size=4></td>  
</tr>  
<tr><td>Nama Penyakit</td>  
    <td><input type='text' name='nama_penyakit' size=40></td>  
</tr>  
<tr><td valign='middle'>Definisi Penyakit </td>  
    <td><textarea name='definisi' cols=40 rows=6></textarea></td>  
</tr>  
<tr><td colspan=2 align='center'><input type='submit' value='OK'></td>  
</tr>";  
echo "</table></form>"; ?>
```

Tampilan Form



The image shows a screenshot of a Mozilla Firefox browser window. The title bar reads "Mozilla Firefox". The menu bar includes "File", "Edit", "View", "History", "Bookmarks", "Tools", and "Help". The address bar shows the URL "http://localhost/contoh/form_isi.php". The browser has three tabs open: "Teknik Informatika UA...", "Zimbra: Inbox (31)", and "http://loca...orm_isi.php". The main content area displays a form titled "Tambah Data Penyakit". The form contains three input fields: "Kode Penyakit" (a small text box), "Nama Penyakit" (a medium text box), and "Definisi Penyakit" (a large text area). Below the text area is an "OK" button. The status bar at the bottom shows "Done" and a mail icon.

Tambah Data Penyakit

Kode Penyakit

Nama Penyakit

Definisi Penyakit

OK

Done

Halaman Simpan Data (simpan_data.php)

```
<?
include "koneksi.php";
$query = "insert into penyakit (kode,nama,definisi)
        values ('$kode_penyakit','$nama_penyakit','$definisi)";
$hasil = mysql_query($query);
if($hasil)
{
    echo "<h3 align='center'>Pengiriman Data Sukses !</h3>";
} else {
    echo "<h3 align='center'>Pengiriman Data Gagal !
        <input type=button value=BACK
        OnClick=self.history.back();></h3>";
}

```

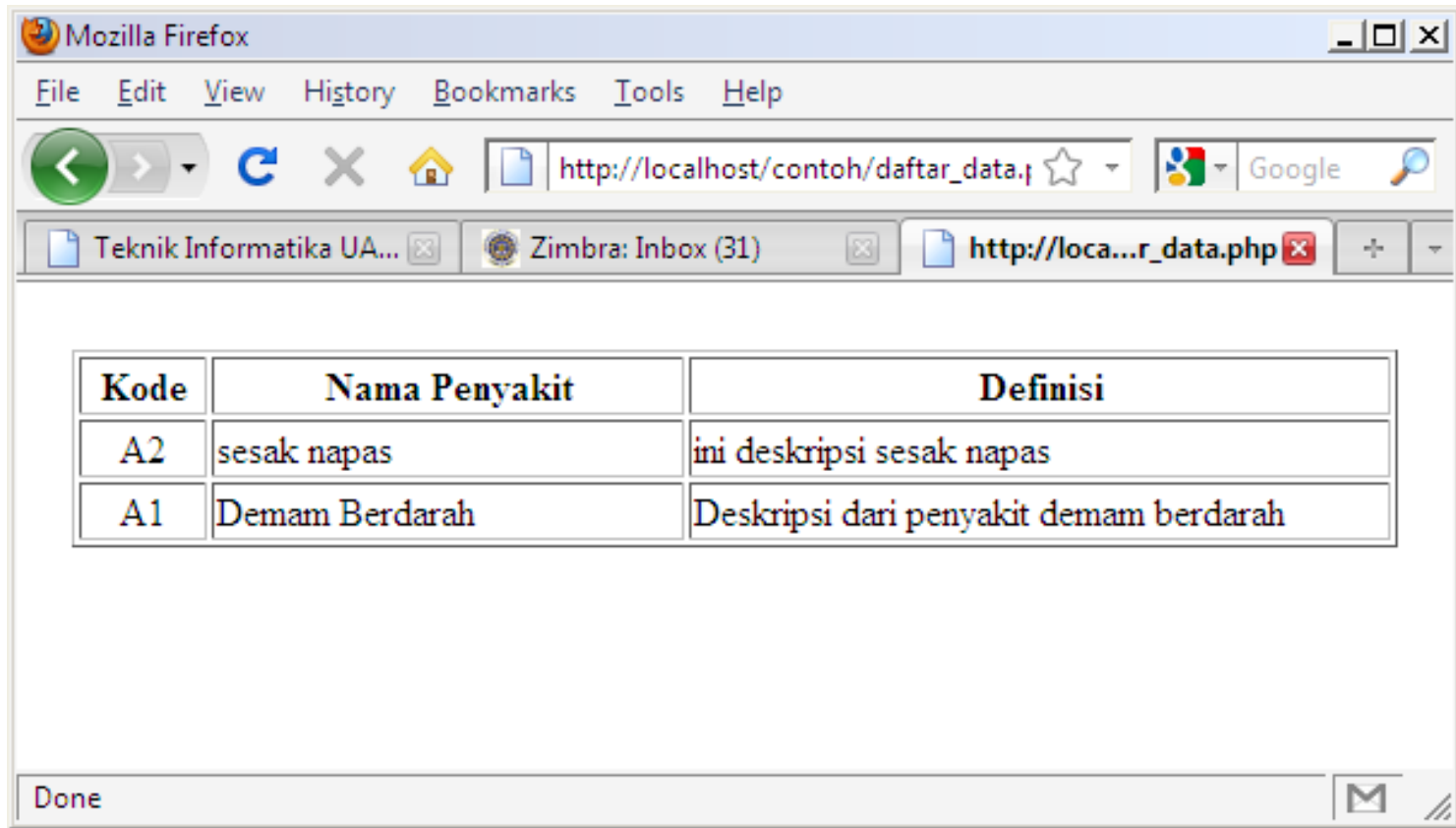
?>

Menampilkan Data (daftar_data.php)

```
<table border="1" width="550"
  align="center">
<tr>
  <td height=20 align="center"
  width=50><b>Kode</b></td>
  <td align="center"
  width=200><b>Nama
  Penyakit</b></td>
  <td align='center'
  width=300><b>Definisi</b></td>
  >
</tr>
<?
include "koneksi.php";
```

```
$qdata = mysql_query("select
  kode,nama,definisi from
  penyakit");
while($rdata =
  mysql_fetch_array($qdata))
{
  $kode = $rdata["kode"];
  $nama = $rdata["nama"];
  $definisi = $rdata["definisi"];
  echo "<tr><td
  align='center'>$kode</td>
  <td>$nama</td>
  <td>$definisi</td></tr>";
} ?>
</table>
```

Tampilan

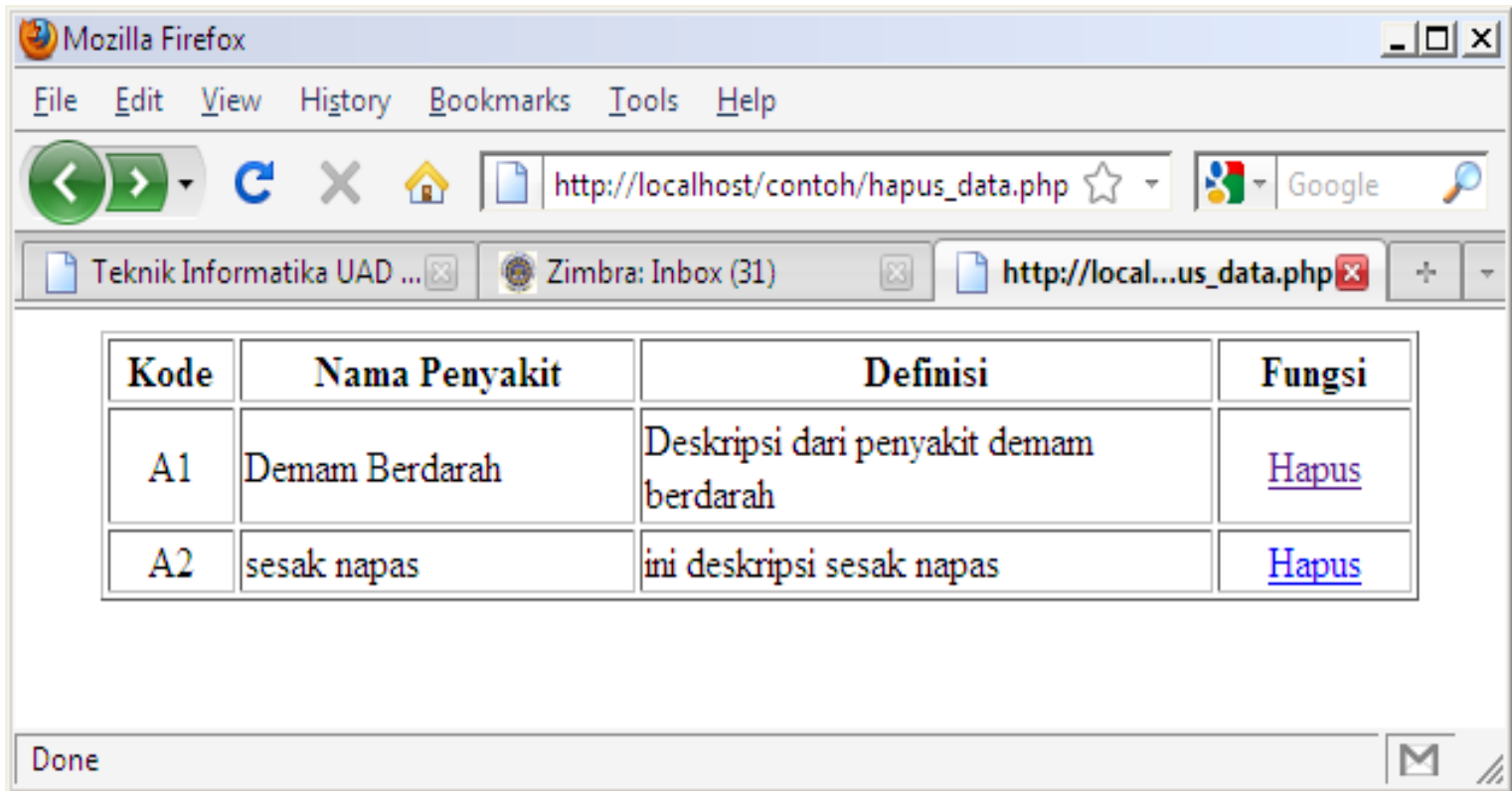


Hapus Data (hapus_penyakit.php)

```
<? include "koneksi.php"; ?>
<table border="1" width="550"
  align="center">
<tr> <td height=20 align="center"
  width=50><b>Kode</b></td>
  <td align="center" width=170><b>Nama
  Penyakit</b></td>
  <td align='center'
  width=250><b>Definisi</b></td>
  <td align='center'
  width=80><b>Fungsi</b></td> </tr>
<?
if($hapus==1)
{
  $query2 = "delete from penyakit where
  kode='$kode'";
  mysql_query($query2);
}
```

```
$qdata = mysql_query("select
  kode,nama,definisi from penyakit order by
  kode");
while($rdata = mysql_fetch_array($qdata))
{
  $pkode = $rdata["kode"];
  $pnama = $rdata["nama"];
  $pdefinisi = $rdata["definisi"];
  echo "<tr><td
  align='center'>$pkode</td><td
  >$pnama</td>
  <td>$pdefinisi</td><td
  align='center'>
  <a
  href='hapus_penyakit.php?kode=$pkode
  &hapus=1'>Hapus</a></td> </tr>";
  $i++;
} ?>
</table>
```

Tampilan



The screenshot shows a Mozilla Firefox browser window displaying a web page. The address bar shows the URL `http://localhost/contoh/hapus_data.php`. The page content consists of a table with the following data:

Kode	Nama Penyakit	Definisi	Fungsi
A1	Demam Berdarah	Deskripsi dari penyakit demam berdarah	Hapus
A2	sesak napas	ini deskripsi sesak napas	Hapus

Edit Data (edit_penyakit.php)

```
<? include "koneksi.php"; ?>
<table border="1" width="550" align="center">
<tr> <td height=20 align="center"
width=50><b>Kode</b></td>
<td align="center" width=170><b>Nama
Penyakit</b></td>
<td align='center' width=250><b>Definisi</b></td>
<td align='center' width=80><b>Fungsi</b></td>
</tr>
<? if($kirim_edit==1)
{
$query3 = "update penyakit set
kode='$kode_penyakit',
nama='$nama_penyakit', definisi='$definisi'
where kode='$kodeg'";
mysql_query($query3);
}
```

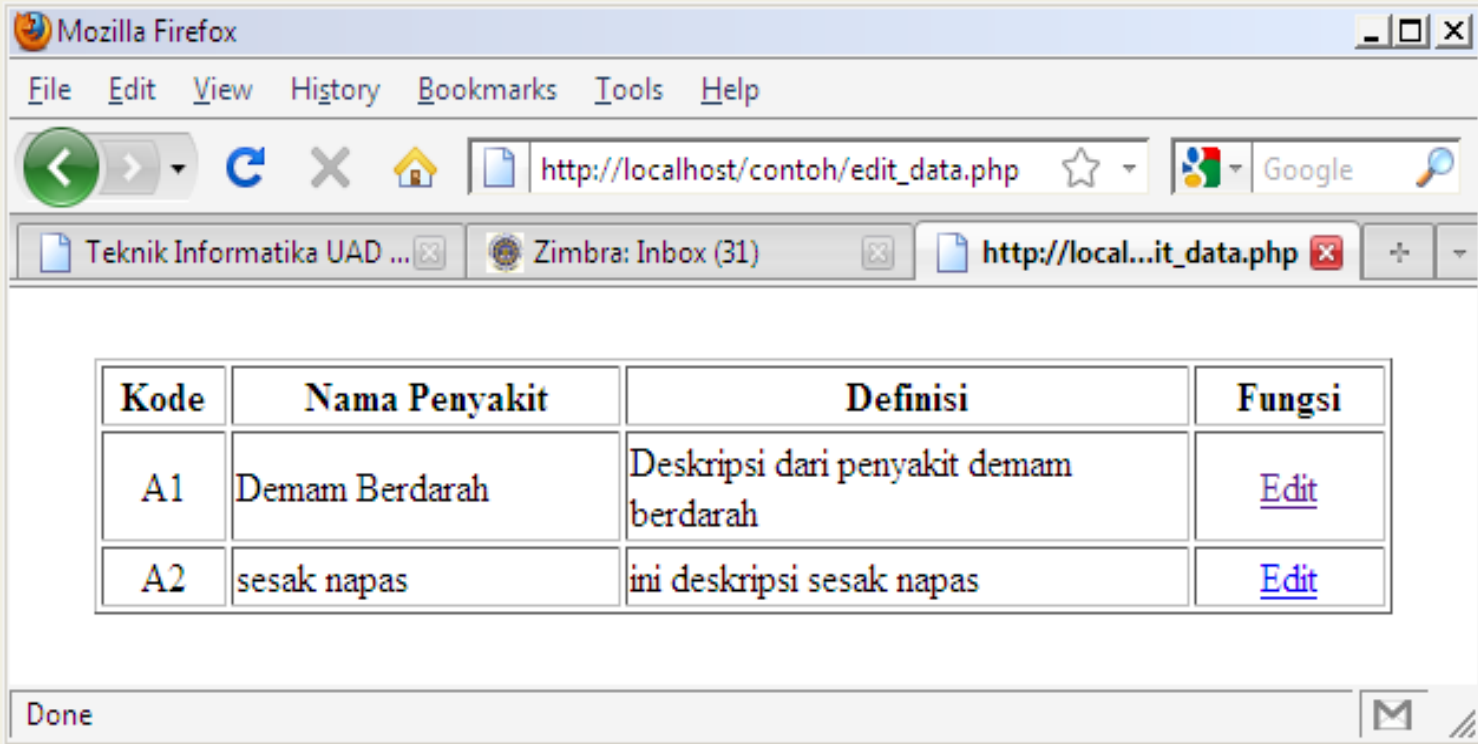
```
$i=0;
$qdata = mysql_query("select kode,nama,definisi
from penyakit order by kode");
while($rdata = mysql_fetch_array($qdata))
{
$pkode = $rdata["kode"];
$pnama = $rdata["nama"];
$pdefinisi = $rdata["definisi"];
echo "<tr><td align='center'>$pkode</td><td
>$pnama</td>
<td>$pdefinisi</td><td align='center'>
<a
href='edit_penyakit.php?kode=$pkode&edit=1'>
Edit</a></td> </tr>";
$i++;
} ?>
</table>
<br>
```


Lanjutan Edit Data

```
<? if($edit==1)
{
    $qdata2 = mysql_query("select nama,
definisi from penyakit where
kode='$kode'");
    while($rdata2 =
mysql_fetch_array($qdata2))
    {
        $nama2 = $rdata2["nama"];
        $definisi2 = $rdata2["definisi"];
    }
    echo "<p align='center'>Ubah Data
Penyakit <br><br>";
    echo "<form method='post'
action='edit_penyakit.php'>
<input type='hidden' name='kodeg'
value='$kode'>
<input type='hidden' name=' kirim_edit'
value=1>";
```

```
echo "<table border=0 width=500
align='center'>";
    echo "<tr><td width=150>Kode
Penyakit </td> <td><input type='text'
name='kode_penyakit' size=4
value='$kode'></td> </tr>
<tr><td>Nama Penyakit </td>
<td><input type='text'
name='nama_penyakit' size=40
value='$nama2'></td></tr>
<tr><td valign='middle'>Definisi Penyakit
</td>
<td><textarea name='definisi' cols=40
rows=6>$definisi2</textarea></td></tr>
<tr><td colspan=2 align='center'><input
type='submit' value='EDIT'></td></tr>";
    echo "</table></form></p>";
}
?>
```

Tampilan



Mozilla Firefox

File Edit View History Bookmarks Tools Help

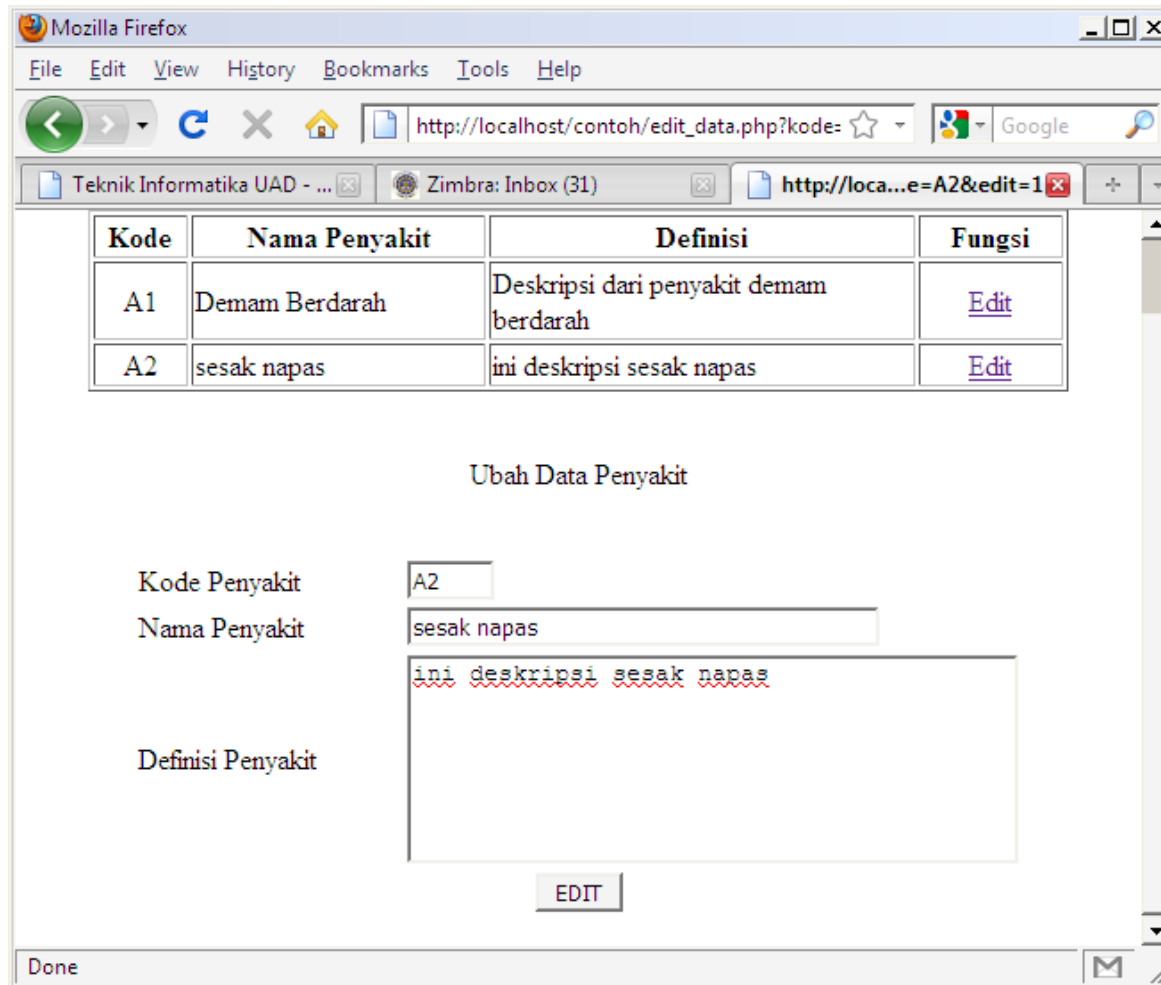
http://localhost/contoh/edit_data.php

Teknik Informatika UAD ... Zimbra: Inbox (31) http://local...it_data.php

Kode	Nama Penyakit	Definisi	Fungsi
A1	Demam Berdarah	Deskripsi dari penyakit demam berdarah	Edit
A2	sesak napas	ini deskripsi sesak napas	Edit

Done

Tampilan (2)



The screenshot shows a Mozilla Firefox browser window displaying a web application. The address bar shows the URL: `http://localhost/contoh/edit_data.php?kode=`. The page content includes a table with the following data:

Kode	Nama Penyakit	Definisi	Fungsi
A1	Demam Berdarah	Deskripsi dari penyakit demam berdarah	Edit
A2	sesak napas	ini deskripsi sesak napas	Edit

Below the table, there is a form titled "Ubah Data Penyakit" for editing the data of the selected disease (A2). The form contains the following fields:

- Kode Penyakit:
- Nama Penyakit:
- Definisi Penyakit:

An **EDIT** button is located below the form.