

LAPORAN PERTEMUAN KE-TIGABELAS
MEMBUAT PROGRAM CRUD DIAWALI DENGAN LOGIN

Dosen Pengampu :

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**PROGRAM STUDI SISTEM INFORMASI FAKULTAS SAINS DAN
TEKNOLOGI UNIVERSITAS ISLAM NEGERI SUNAN AMPEL
SURABAYA**

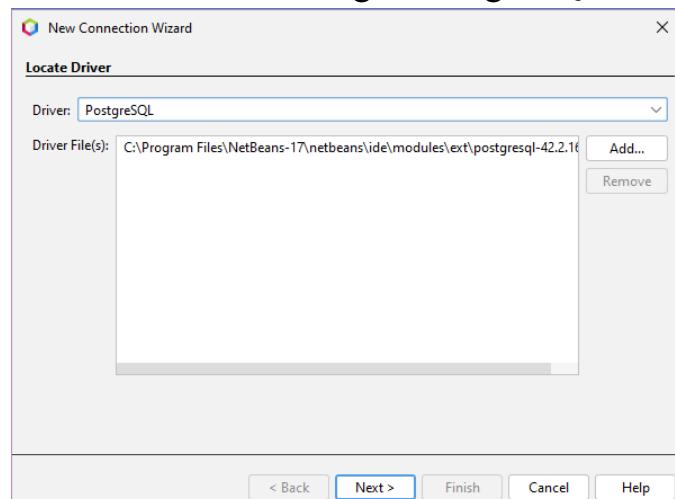
2025

MEMBUAT PROGRAM YANG DIAWALI DENGAN LOGIN

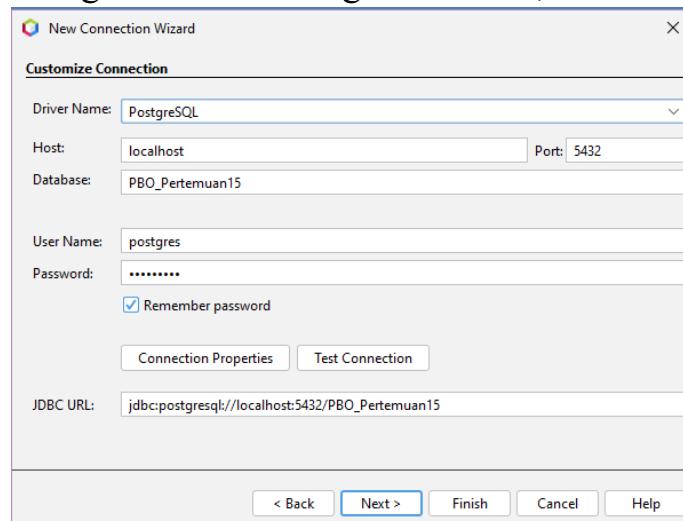
Pada pertemuan keempatbelas ini adalah membuat program yang dimulai dengan halaman login. Pada sistem login memiliki fitur Login, Register (Daftar), dan Forgot Password (Mengubah Password). Dan untuk program utama berisi tabbed pane dan CRUD nya.

PRAKTIKUM

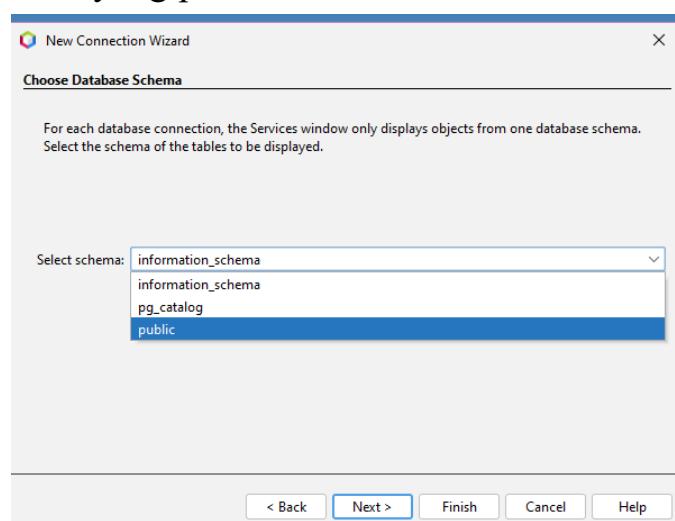
- Membuat koneksi dengan PostgreSQL.



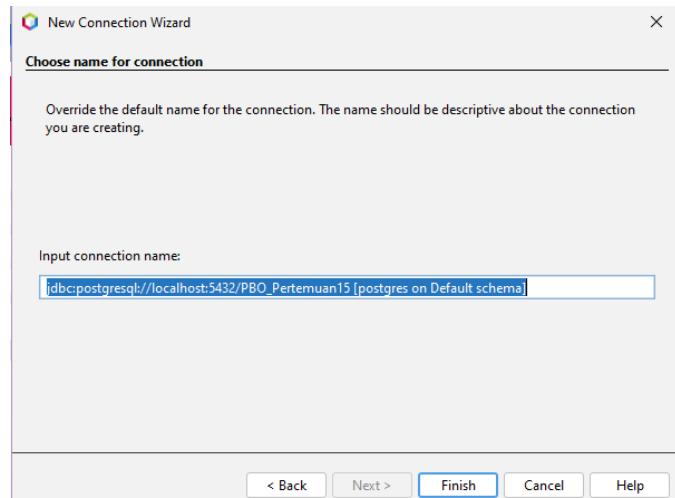
- Mengkoneksikan dengan database, lalu Next.



- Pilih yang public, lalu next.



- Klik Finish



- Kemudian di pgAdmin, membuat tabel.

Tabel kamar_terpesan muncul setelah merelasikan tabel tamu dan kamar.

- Membuat Jframe baru untuk mendesain tampilan login, ubah password, dan daftar/buat akun.

UBAH PASSWORD

Cari Username
 Cari

Pertanyaan Pengaman

Jawaban Pertanyaan Pengaman

Ubah Password

- Membuat Jframe Form baru untuk mendesain tampilan tabbed pane

ID Kamar	No Kamar	Tipe Kamar	Fasilitas
K1	101	Single	AC TV Pemanas...
K2	102	Double	AC TV Kulkas-mini
K3	103	Single	AC TV Pemanas...
K4	104	Double	AC TV Kulkas-mini

ID Kamar	No Kamar	Tipe Kamar	Fasilitas

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1
2	Husain	1	K2
3	Fahmud	1	K4

NIK	Nama Tamu	Lama Menginap	ID Kamar

ID Kamar Terpesan	NIK	Nomor Kamar
K1	1 - Yusuf	101
K2	2 - Husain	102
K4	3 - Fahmud	104

- Membuat jasper report untuk Kamar dan Tamu.

REPORT KAMAR:

ID Kamar	No Kamar	Tipe Kamar	Fasilitas
\$F{id_kamar}	\$F{nomor_kamar}	\$F{tipe_kamar}	\$F{fasilitas}

REPORT TAMU:

NIK	Nama Tamu	Lama	Kamar Dipesan
\$F{nik}	\$F{nama_tamu}	Detail 1	\$F{id_kamar}

- Login

- Tampilan login, disini dianggap belum memiliki akun, maka mengklik label “Daftar”.



- Mengisi teks field, lalu klik tombol “Buat”.



- Jika lupa password, maka klik label “Lupa password” lalu cari username dan mengisi teks field.



- CRUD pada Tab Kamar
 - Insert, pada insert jika menggunakan ID dan nomor kamar yang sama dengan yang sudah ada maka akan muncul pop-up.

The image shows two side-by-side screenshots of a Windows application window titled "Kamar". The window contains a tab bar with "Kamar", "Tamu", and "Pemesanan", and a sub-tab bar with "Kamar". Below the tabs is a table with columns: ID Kamar, No Kamar, Tipe Kamar, and Fasilitas. The data in the table is:

ID Kamar	No Kamar	Tipe Kamar	Fasilitas
K1	101	Single	AC TV Pemanas ...
K2	102	Double	AC TV Kulkas-mini
K3	103	Single	AC TV Pemanas...
K4	104	Double	AC TV Kulkas-mini

Below the table, there is an "Error" dialog box with a red exclamation mark icon. The message in the dialog is: "ID Kamar sudah digunakan! Gunakan ID lain." (Room ID is already used! Use another ID.).

On the left side of the application, there are input fields and buttons for inserting new room data:

- ID Kamar: K4
- No Kamar: 104
- Tipe Kamar: Single
- Fasilitas: AC TV Pemanas_air
- Buttons: Insert, Update, Delete, Cetak, Upload, Keluar

On the right side of the application, there are similar input fields and buttons for inserting new room data:

- ID Kamar: K5
- No Kamar: 104
- Tipe Kamar: Single
- Fasilitas: AC TV Pemanas_air
- Buttons: Insert, Update, Delete, Cetak, Upload, Keluar

- Insert akan berhasil jika ID kamar dan nomor kamar berbeda dengan yang sudah ada.

The image shows a screenshot of a Windows application window titled "Kamar". The window contains a tab bar with "Kamar", "Tamu", and "Pemesanan", and a sub-tab bar with "Kamar". Below the tabs is a table with columns: ID Kamar, No Kamar, Tipe Kamar, and Fasilitas. The data in the table is:

ID Kamar	No Kamar	Tipe Kamar	Fasilitas
K1	101	Single	AC TV Pemanas ...
K2	102	Double	AC TV Kulkas-mini
K3	103	Single	AC TV Pemanas...
K4	104	Double	AC TV Kulkas-mini

Below the table, there is a "Message" dialog box with a blue information icon. The message in the dialog is: "Kamar berhasil ditambahkan!" (Room successfully added!).

On the left side of the application, there are input fields and buttons for inserting new room data:

- ID Kamar: K5
- No Kamar: 105
- Tipe Kamar: Single
- Fasilitas: AC TV Pemanas_air
- Buttons: Insert, Update, Delete, Cetak, Upload, Keluar

- K5 akan muncul

The screenshot shows a Windows application window titled "Kamar". At the top, there are three tabs: "Kamar", "Tamu", and "Pemesanan". The "Kamar" tab is selected. Below the tabs is a sub-tab "Kamar". A table displays room information:

ID Kamar	No Kamar	Tipe Kamar	Fasilitas
K1	101	Single	AC TV Pemanas ...
K2	102	Double	AC TV Kulkas-mini
K3	103	Single	AC TV Pemanas...
K4	104	Double	AC TV Kulkas-mini
K5	105	Single	AC TV Pemanas...

Below the table are input fields and buttons:

- ID Kamar: K5 (with an "Insert" button)
- No Kamar: 105 (with an "Update" button)
- Tipe Kamar: Single (with a "Delete" button)
- Fasilitas: AC TV Pemanas_air (with a "Cetak" button)
- Fasilitas: AC TV Pemanas_air (with an "Upload" button)
- A "Keluar" button is located at the bottom right.

- Update

The screenshot shows a Windows application window titled "Kamar". At the top, there are three tabs: "Kamar", "Tamu", and "Pemesanan". The "Kamar" tab is selected. Below the tabs is a sub-tab "Kamar". A table displays room information:

ID Kamar	No Kamar	Tipe Kamar	Fasilitas
K1	101	Single	AC TV Pemanas ...
K2	102	Double	AC TV Kulkas-mini
K3	103	Single	AC TV Pemanas...
K4	104	Double	AC TV Kulkas-mini
K5	105	Single	AC TV Pemanas...

A message box in the center says "Data kamar berhasil diupdate!" (Room data successfully updated!). Below the message box are input fields and buttons:

- ID Kamar: K4 (with an "Insert" button)
- No Kamar: 104 (with an "Update" button)
- Tipe Kamar: Single (with a "Delete" button)
- Fasilitas: AC TV Pemanas-air (with a "Cetak" button)
- Fasilitas: AC TV Pemanas-air (with an "Upload" button)
- A "Keluar" button is located at the bottom right.

To the right of the main window, a smaller preview window shows the same room list.

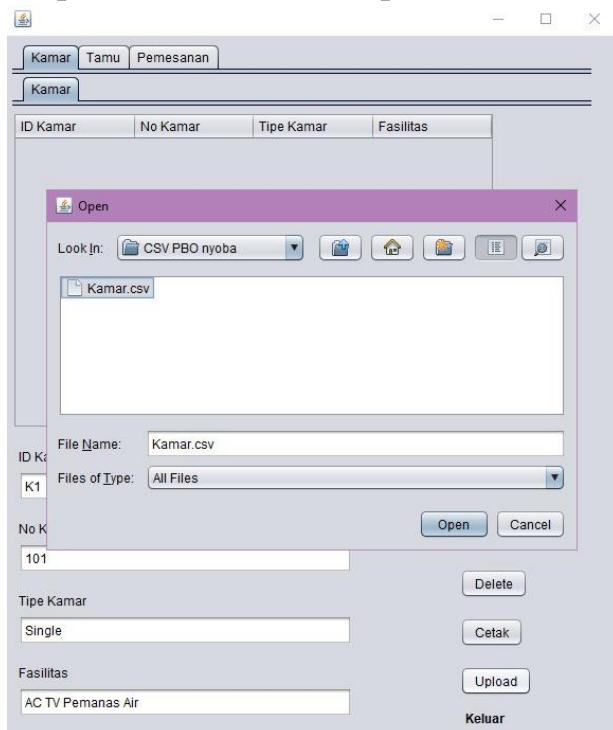
- Tampilan Jasper Reports kamar

The screenshot shows a JasperViewer window. At the top, it says "JasperViewer". The main content area displays a report titled "DETAIL KAMAR DOHO HOMESTAY" with the address "Jl. Doho no.8, Jember, Jawa Timur, 68122". The report includes a logo for "DOHO HOMESTAY" and a table:

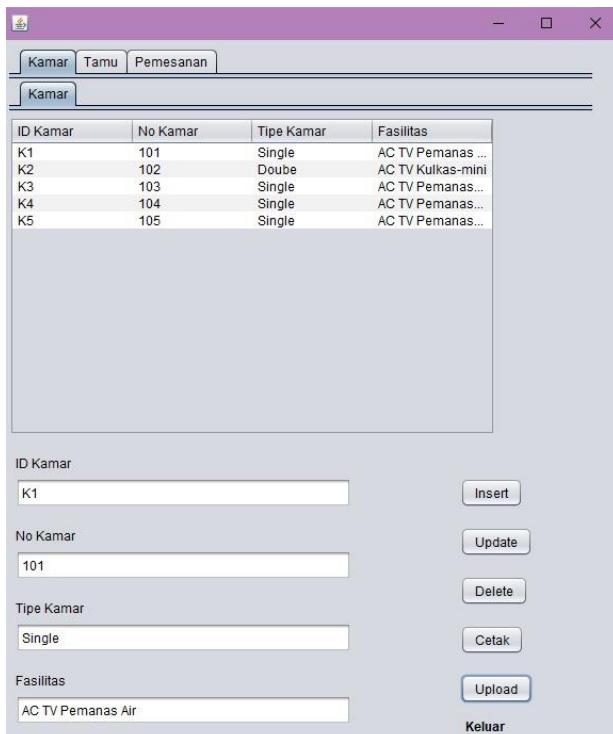
ID Kamar	No Kamar	Tipe Kamar	Fasilitas
K1	101	Single	AC TV Pemanas Air
K2	102	Double	AC TV Kulkas-mini
K3	103	Single	AC TV Pemanas-air
K5	105	Single	AC TV Pemanas_air
K4	104	Single	AC TV Pemanas-air

Untuk menyimpan, klik ikon di pojok kiri atas, kemudian pilih dimana ingin menyimpan file.

- Upload, klik tombol Upload, cari file dan



- Data berhasil diupload.



- CRUD pada Tab Tamu
 - Insert, pada insert jika menggunakan NIK dan nomor kamar yang sama dengan yang sudah ada maka akan muncul pop-up.

The image shows two side-by-side windows of a Windows application. Both windows have a title bar with tabs: 'Kamar', 'Tamu', and 'Pemesanan'. The 'Tamu' tab is selected in both.

Left Window (NIK 1):

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1

An 'Error' dialog box is displayed with the message: "NIK sudah terdaftar. Gunakan NIK lain." (NIK is already registered. Use another NIK.)

Right Window (NIK 2):

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1

An 'Error' dialog box is displayed with the message: "Kamar sudah dipesan oleh tamu lain." (The room is already reserved by another guest.)

Both windows contain form fields for 'NIK', 'Nama Tamu', 'Lama Menginap', and 'Kamar Dipesan', along with buttons for 'Insert', 'Update', 'Delete', 'Cetak', and 'Upload'.

- Insert akan berhasil jika NIK dan Kamar Dipesan berbeda dengan data sebelumnya

This screenshot shows a window with the 'Tamu' tab selected. The table below contains four rows of data:

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1
2	Subhan	1	K2
3	Husain	1	K3
4	Muadz	1	K4

The form below the table includes fields for 'NIK' (4), 'Nama Tamu' (Muadz), 'Lama Menginap' (1), and 'Kamar Dipesan' (K5 - 105). Buttons for 'Insert', 'Update', 'Delete', 'Cetak', and 'Upload' are visible.

- Update

The screenshot shows a Windows application window titled "Kamar Tamu Pemesanan". The "Tamu" tab is selected. A message dialog box titled "Message" displays the text "Data tamu & pemesanan berhasil diupdate!" (Guest and booking data successfully updated!). Below the dialog, there is a form with fields for NIK (4), Name Tamu (Muadz), Lama Menginap (1), and Kamar Dipesan (K5 - 105). On the right, another instance of the same application window is shown with the Tamu tab selected, displaying updated data.

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1
2	Subhan	1	K2
3	Husain	1	K3
4	Muadz	1	K4

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1
2	Subhan	1	K2
3	Husain	1	K3
4	Muadz	1	K5

- Data tamu juga akan muncul di Tab Pemesanan.

The screenshot shows a Windows application window titled "Kamar Tamu Pemesanan". The "Pemesanan" tab is selected. It displays a table of booked rooms:

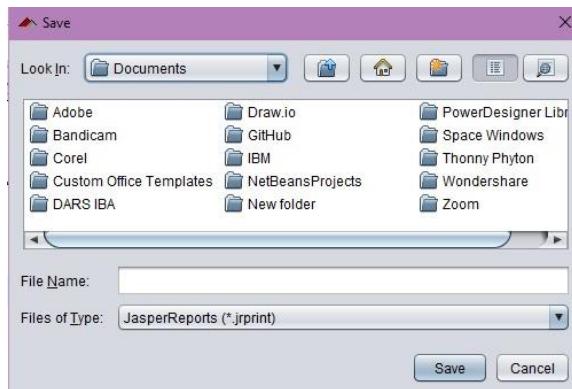
ID Kamar Terpesan	NIK	Nomor Kamar
K1	1 - Yusuf	101
K2	2 - Subhan	102
K3	3 - Husain	103
K5	4 - Muadz	105

- Tampilan Jasper Tamu

The screenshot shows a JasperViewer report titled "DAFTAR TAMU DOHO HOMESTAY" with the subtitle "Jl. Doho no.8, Jember, Jawa Timur, 68122". The report displays a table of guest information:

NIK	Nama Tamu	Lama	Kamar Dipesan
1	Yusuf	1	K1
2	Subhan	1	K2
3	Husain	1	K3
4	Muadz	1	K5

- Untuk menyimpan, klik pojok kiri atas, akan muncul tampilan seperti ini lalu pilih dimana ingin menyimpan file.



- Untuk upload, hapus semua data, dan klik tombol upload lalu pilih file CSV yang ingin diupload.

NIK	Nama Tamu	Lama Menginap	ID Kamar
1	Yusuf	1	K1
2	Subhan	1	K2
3	Husain	1	K3
4	Muadz	1	K5