

Tugas 3 database

murnialestari2

November 2019

1 Cara Membuat Aplikasi Builder dari File Excel ke Oracle Apex

- Buatlah data yang akan dimasukkan ke dalam Oracle APEX pada Microsoft Excel.

A	B	C	D
1	NIM	Nama Mahasiswa	Alamat Mahasiswa
2	580001	Made Surya	Jl. Dewi Sartika No.12, Banjar 40121
3	580002	Made Gita	Jl. Raya Denpasar 40122
4	580003	Deva Made Gita	Jl. Flamboyan No.23, Singaraja 40133
5	580004	Devai Asih	Jl. A.Yani 5, Gianyar 40124
6			08 November 1980
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	NIK	Nama Dosen	Alamat Dosen										
2	990001	Umade Konda	Jl. Dewi Sartika No.12, Banjar 40121										
3	990002	Deva Supriyadi, S.T., M.T	Jl. Selamat No. 15, Bekasi 40122										
4	990003	Drs. Nyoman Wirdha, M.T	Jl. A. Yani No. 31, Bogor 40122										
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													

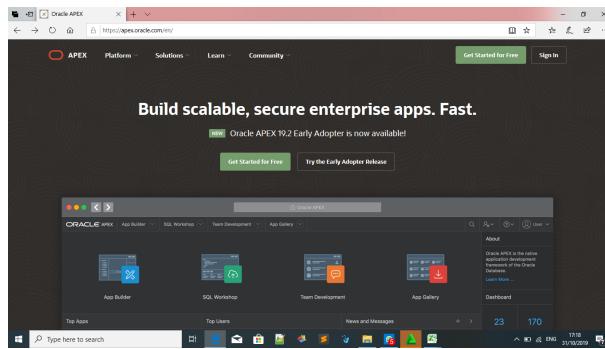
A	B	C
1	Kode	Mata Kuliah
2	INF1014	Struktur Data
3	INF1012	Algoritma
4	INF2011	Algoritma
5	INF0044	Matematika

A	B	C
1	Kode	Nomor
2	INF1014	980000/A
3	INF1014	980000/B
4	INF1012	980001
5	INF1012	980001
6	INF2011	980002/C

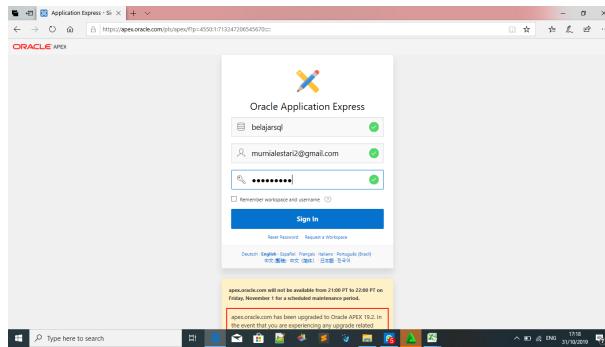
A	B	C	D
1	Kode	Nomor	Waktu
2	INF1014	980001	Senin, 08.00 – 09.40 dan Kamis, 11.00 – 11.50
3	INF1012	980001	Selasa, 10.00 – 11.40 dan Jumat, 08.00 – 09.40
4	INF1012	980001	Senin, 08.00 – 09.40 dan Selasa, 10.00 – 11.40
5	INF0044	980002	Rabu, 17.00 – 18.40 dan Jum'at, 14.00 – 14.50

Catatan perhatikan data yang ada pada excel karena ketika ada kesalahan dalam pembuatan data contohnya baris yang kosong tetapi masuk ke dalam data maka akan mempengaruhi data pada saat mencreate aplikasi. Dan jangan lupa untuk mernormalisasi data yang telah ada.

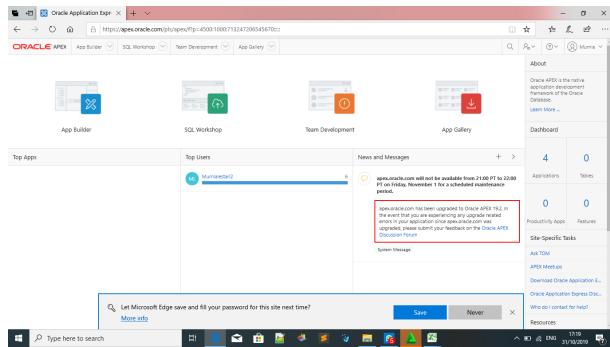
2. Buka aplikasi Oracle Apex terlebih dahulu



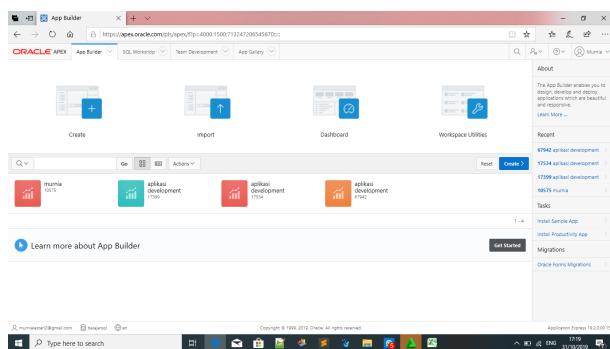
3. Setelah itu masukkan workspace,username,dan password



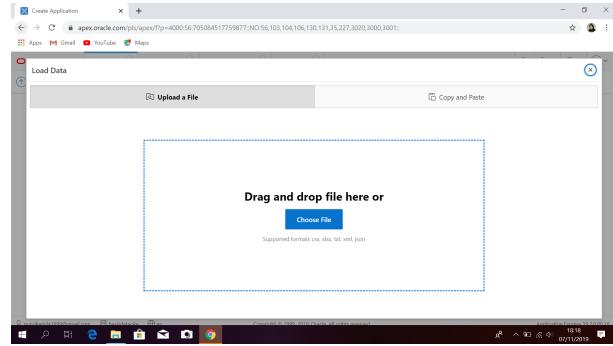
4. Setelah itu pilih App builder



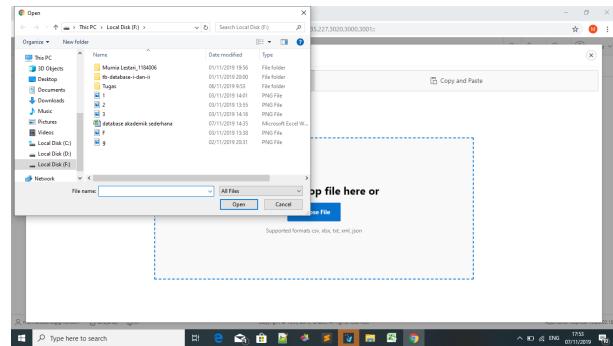
5. Setelah itu pilih create



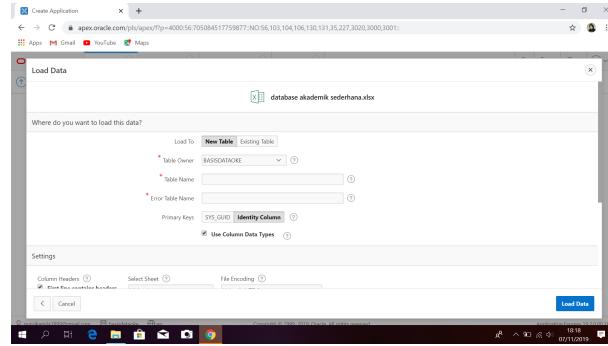
6. Setelah itu pilih form a file



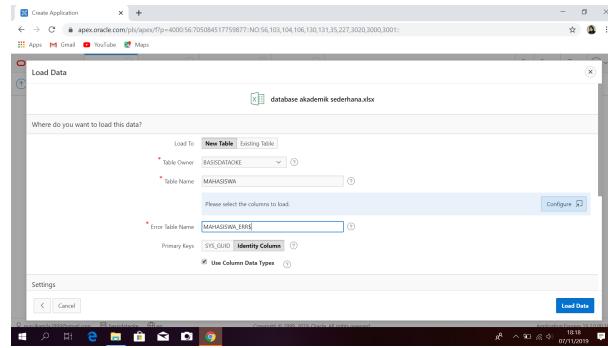
7. lalu pilih file yang ingin kalian masukkan



8. Masukkan file excel yang telah dibuat tadi



9. Setelah file dimasukkan isi nama table yang kamu mau contohnya Mahasiswa



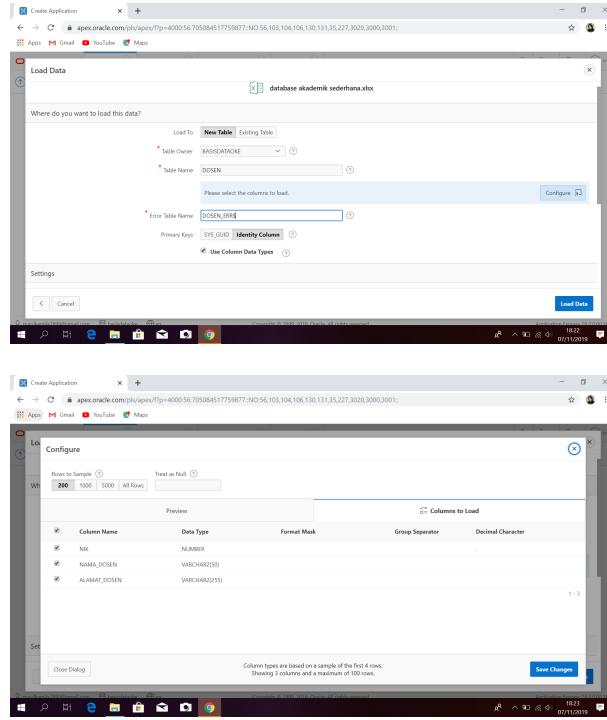
10. Lalu pada selectsheet jangan lupa pilih mahasiswa karena pada file excel terdapat sheet yang berbeda-beda namanya yaitu Mahasiswa,Dosen,Mata Kuliah,Nilai,dan Jadwal. Pilih Mahasiswa untuk mengupload excel yang pertama.

The screenshot shows two overlapping Oracle Apex application windows. The top window is titled 'Configure' and displays a table of columns with their names, data types, and formats. The bottom window is titled 'Load Data' and shows a preview of data from a CSV file named '319_JUUF'. Both windows are set against a background of a Windows desktop with various icons and open browser tabs.

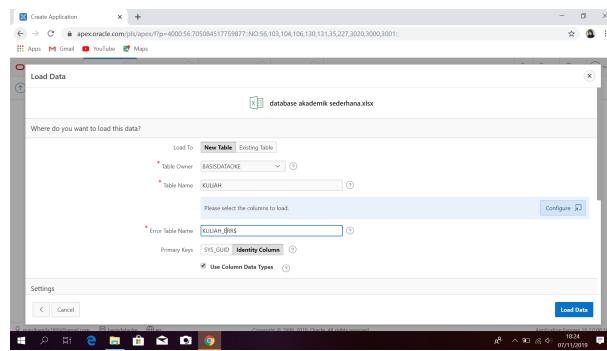
Column Name	Data Type	Format Mask	Group Separator	Decimal Character
NIM	NUMBER		,	.
NAMA_MAHASISWA	VARCHAR2(25)		,	.
ALAMAT_MAHASISWA	VARCHAR2(255)		,	.
TGL_LAHIR	VARCHAR2(20)		,	.

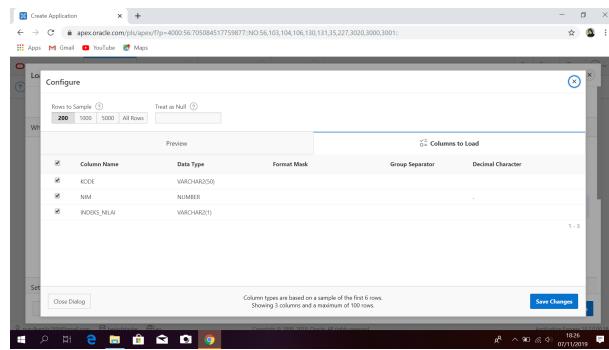
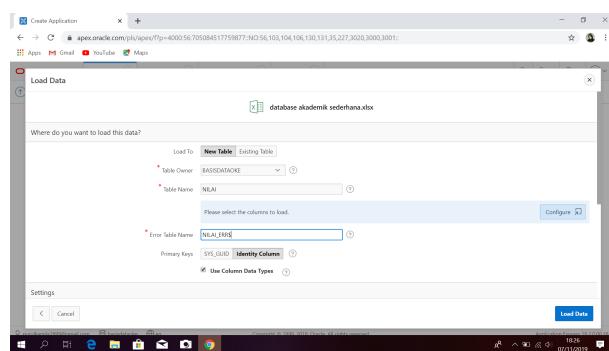
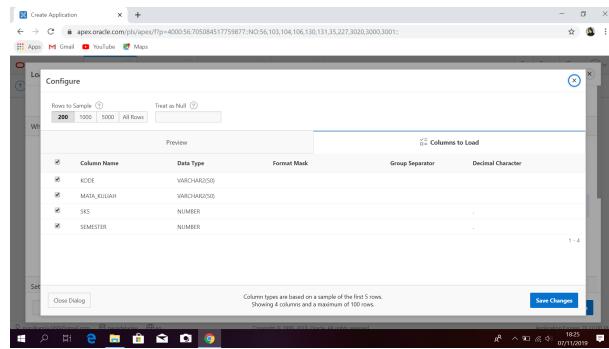
	NIM	Nama Mahasiswa	Alamat Mahasiswa	Tgl Lahir
1	980001	I Made Suta	Jl. Dewi Sartika No.12, Bangsal 40121	05 Desember 1990
2	980002	I Wayan Sura	Jl. Kartini No.10, Bandung 45123	06 Maret 1990
3	980003	Dewi Made Gita	Jl. Pahlawan No.23, Singaraja 40151	17 Juni 1990
4	980004	Dewi Ashi	Jl. A Yani 5, Ganting 40124	08 September 1990

11. Untuk memastikan apakah file yang dimasukkan telah masuk maka pilih configure. Terkadang di dalam file yang kita masukkan terdapat tabel yang kosong maka hapus ceklis yang pada kolom tersebut karena akan mempengaruhi ketika pembuatan aplikasi.
12. Lalu pilih Save Change
13. Lalu pilih load data dan finish
14. Lakukan hal yang sama untuk data yang lain, lanjutkan ke selectsheet pilih Dosen. Lalu pilih configure, kemudian lihat file yang dimasukkan lalu pilih save change, load data dan finish.

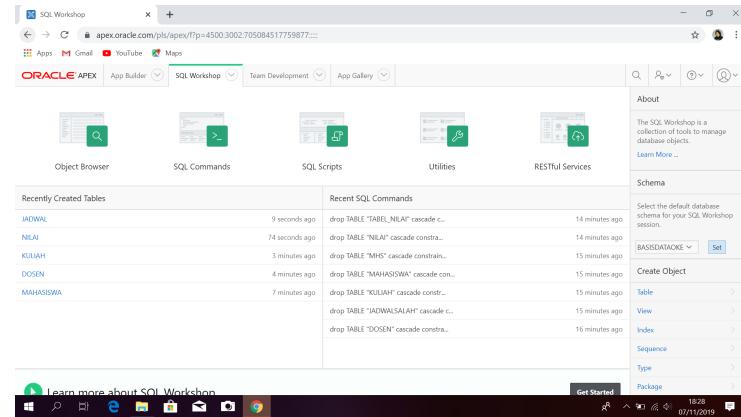


15. Lakukan hal yang sama untuk data yang lain, lanjutkan ke selectsheet pilih Kuliah. Lalu pilih configure, kemudian lihat file yang dimasukkan lalu pilih save change, load data dan finish.





16. Kita dapat melihat table kita pada SQL WorkShop



17. Hilangkan kolom ID(number) pada setiap tabel

Two screenshots of the Oracle APEX Object Browser. The first screenshot shows the 'MAHASISWA' table in the 'Columns' tab, listing columns ID, NIM, NAMA_MAHASISWA, ALAMAT_MAHASISWA, and TGL_Lahir. The second screenshot shows the 'Drop Column' dialog for the same table, where the 'Remove Column' dropdown is set to 'ID (NUMBER)'.

Three screenshots of Oracle APEX Object Browser interface showing the modification of tables MAHASISWA, DOSEN, and DILAKUKAN.

MAHASISWA Table:

The screenshot shows the "Drop Column ID" confirmation dialog. The schema is BASISDATAOKE, object is MAHASISWA, and action is Drop Column ID. The "Finish" button is highlighted.

MAHASISWA Table Structure:

Column Name	Data Type	Nullable	Default	Primary Key
NIM	NUMBER	Yes	-	-
NAMA_MAHASISWA	VARCHAR2(50)	Yes	-	-
ALAMAT_MAHASISWA	VARCHAR2(255)	Yes	-	-
TGL_LAHIR	VARCHAR2(50)	Yes	-	-

DOSEN Table:

Column Name	Data Type	Nullable	Default	Primary Key
ID	NUMBER	No	"BASISDATAOKE"."SEQ\$\$_31147012".nextval	1
NIK	NUMBER	Yes	-	-
NAMA_DOSEN	VARCHAR2(50)	Yes	-	-
ALAMAT_DOSEN	VARCHAR2(255)	Yes	-	-

The screenshots illustrate the steps to drop a column from the DOSEN table:

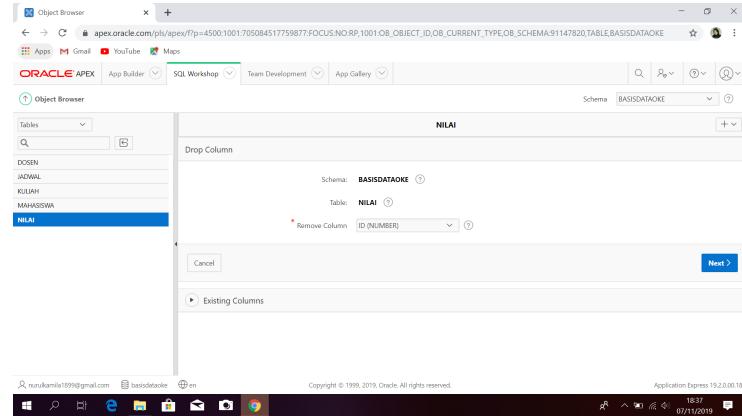
- Screenshot 1: Drop Column Step 1**
Shows the "Drop Column" dialog for the DOSEN table. The column "ID (NUMBER)" is selected for removal. The schema is BASISDATAOKE.
- Screenshot 2: Confirmation Dialog**
A confirmation dialog box titled "Confirm your request" is displayed, asking if the user wants to drop the column. It shows the schema BASISDATAOKE, object DOSEN, and action Drop Column ID.
- Screenshot 3: JADWAL Table Structure**
Shows the structure of the JADWAL table. The columns are: ID (NUMBER), KODE (VARCHAR2(50)), NIK (NUMBER), WAKTU (VARCHAR2(255)), and TEMPAT (VARCHAR2(200)). Primary key constraints are defined on the ID column.

The image consists of three vertically stacked screenshots of the Oracle APEX SQL Workshop interface.

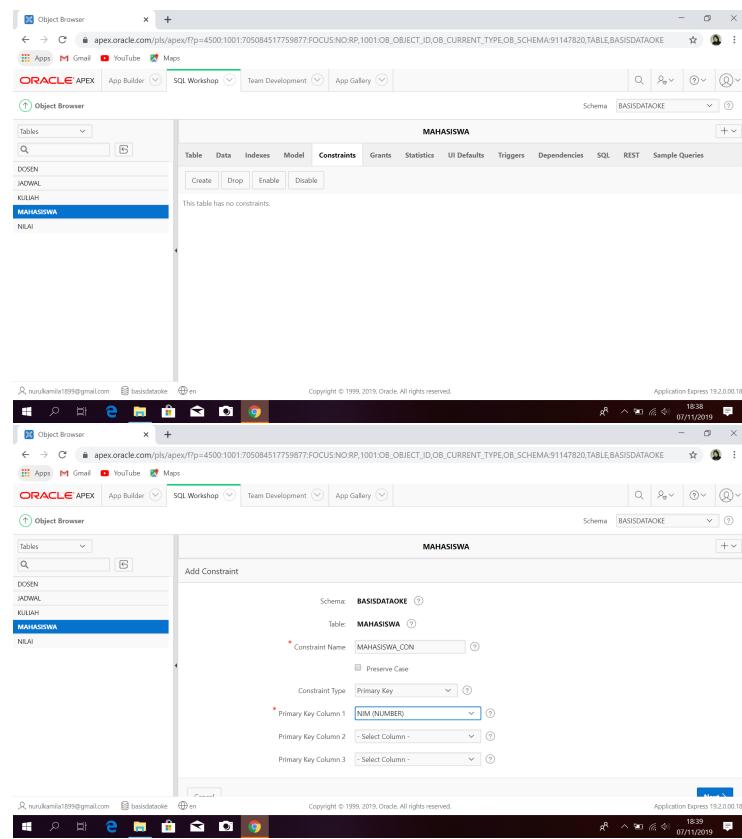
Screenshot 1: Shows the 'Drop Column' dialog for the 'KULIAH' table. The 'Remove Column' dropdown is set to 'ID (NUMBER)'. Buttons for 'Cancel' and 'Next >' are visible.

Screenshot 2: Shows the 'KULIAH' table definition in the SQL Workshop. The 'Data' tab is selected. The table structure includes columns: ID (NUMBER), KODE (VARCHAR2(50)), MATA_KULIAH (VARCHAR2(50)), SKS (NUMBER), and SEMESTER (NUMBER). Primary key constraints are defined on the ID column.

Screenshot 3: Shows the 'Drop Column' dialog again, this time with the 'Table' dropdown set to 'KULIAH'. The 'Remove Column' dropdown is also set to 'ID (NUMBER)'. Buttons for 'Cancel' and 'Next >' are visible.



18. setelah itu, pada pilihan constrains, setting primery key, dan foregent key sesuai tabel



The screenshots illustrate the process of creating primary key constraints for three tables: MAHASISWA, KULIAH, and DOSEN.

MAHASISWA Table Constraints:

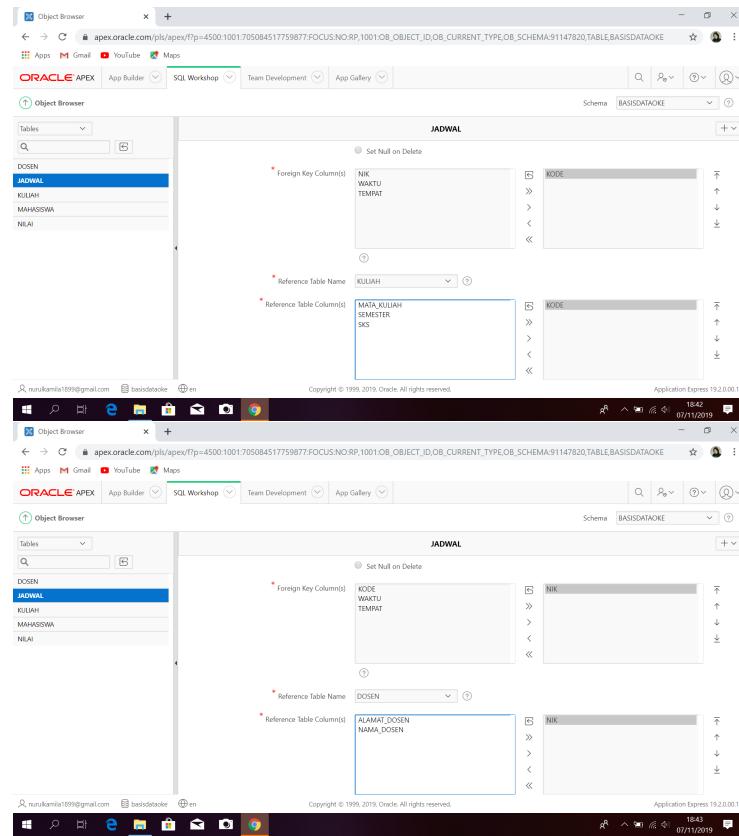
Constraint	Type	Search Condition	Related Constraint	Columns	Delete Rule	Status	Last Change	Index	Invalid
MAHASISWA_CON	Primary	-	-	NIK	Enabled	ENABLED	11/07/2019 11:39:34 AM	MAHASISWA_CON	-

KULIAH Table Add Constraint:

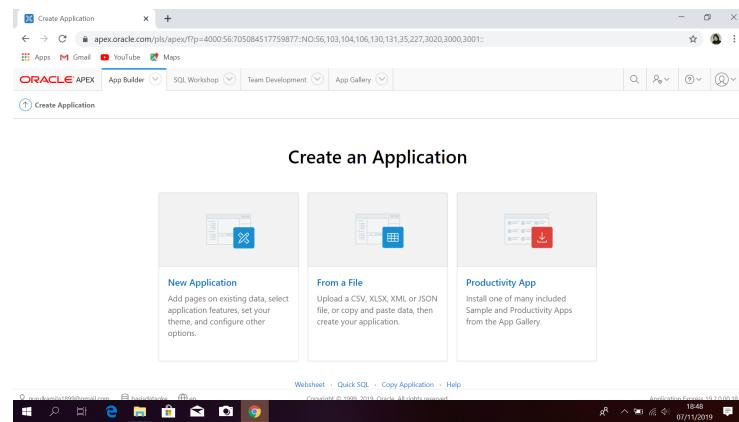
Schema: BASISDATAOKE
Table: KULIAH
Constraint Name: KULIAH_CON
Constraint Type: Primary Key
Primary Key Column 1: KODE (VARCHAR2)
Primary Key Column 2: - Select Column -
Primary Key Column 3: - Select Column -

DOSEN Table Add Constraint:

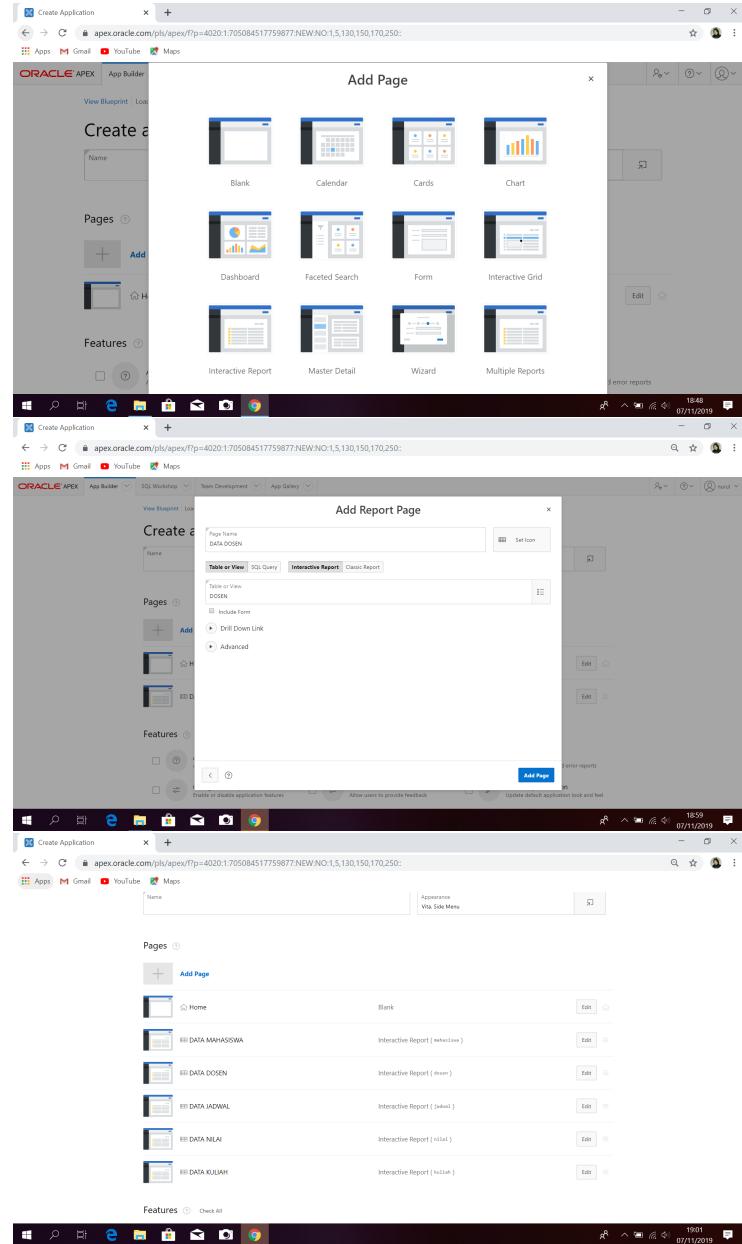
Schema: BASISDATAOKE
Table: DOSEN
Constraint Name: DOSEN_CON
Constraint Type: Primary Key
Primary Key Column 1: NIK (NUMBER)
Primary Key Column 2: - Select Column -
Primary Key Column 3: - Select Column -

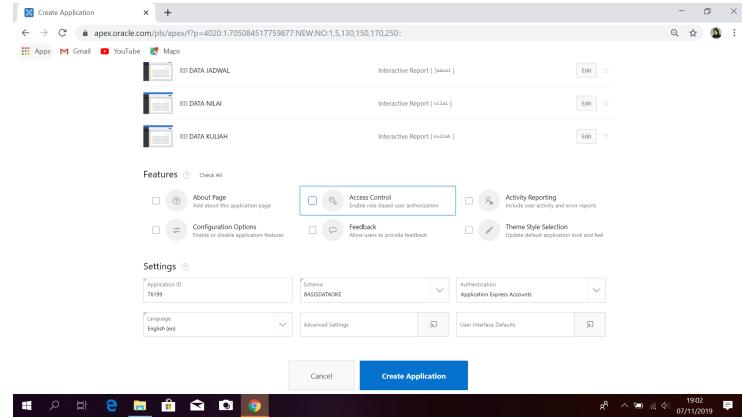


19. Lalu, kembali ke App Builder, lalu pilih New Application



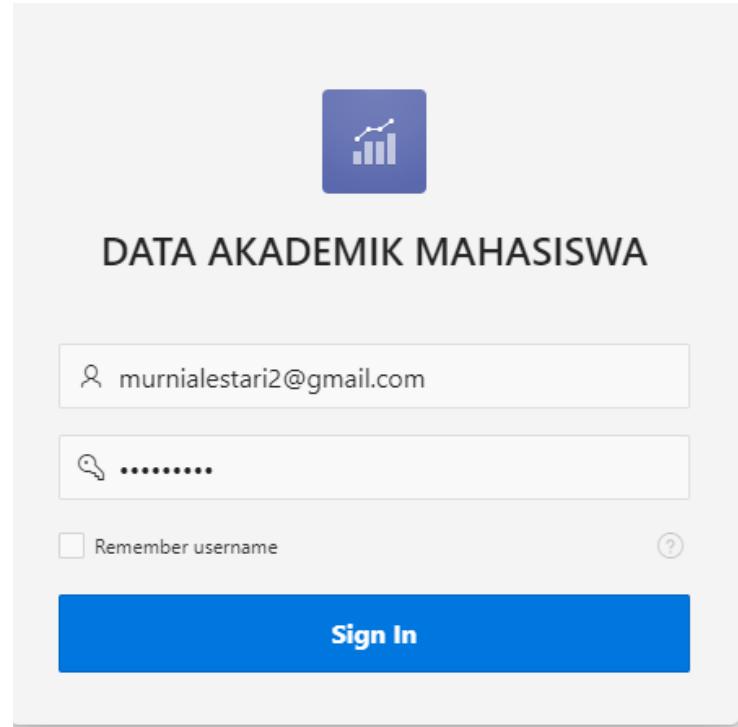
20. Add Page , lalu pilih Interactive Report





21. jika sudah semua, Run Application

The screenshot shows the Oracle APEX App Builder interface. The main area displays the application structure for "DATA AKADEMIK MAHASISWA". It includes several pages: 1 - Home, 2 - DATA MAHASISWA, 3 - DATA DOSEN, 4 - DATA JADWAL, 5 - DATA NILAI, and 6 - DATA KULIAH. The "Home" page is currently selected. The right sidebar provides options for managing the application, such as "Edit Application Properties", "About", "Tasks", and a list of recently edited pages. The bottom of the screen shows the Windows taskbar with various open applications.



- 2 link login https://apex.oracle.com/pls/apex/f?p=92605:LOGIN_D
5784700124136 :::::
Username : murnialestari2@gmail.com
Password : murnia123