BUKTI PENGERJAAN
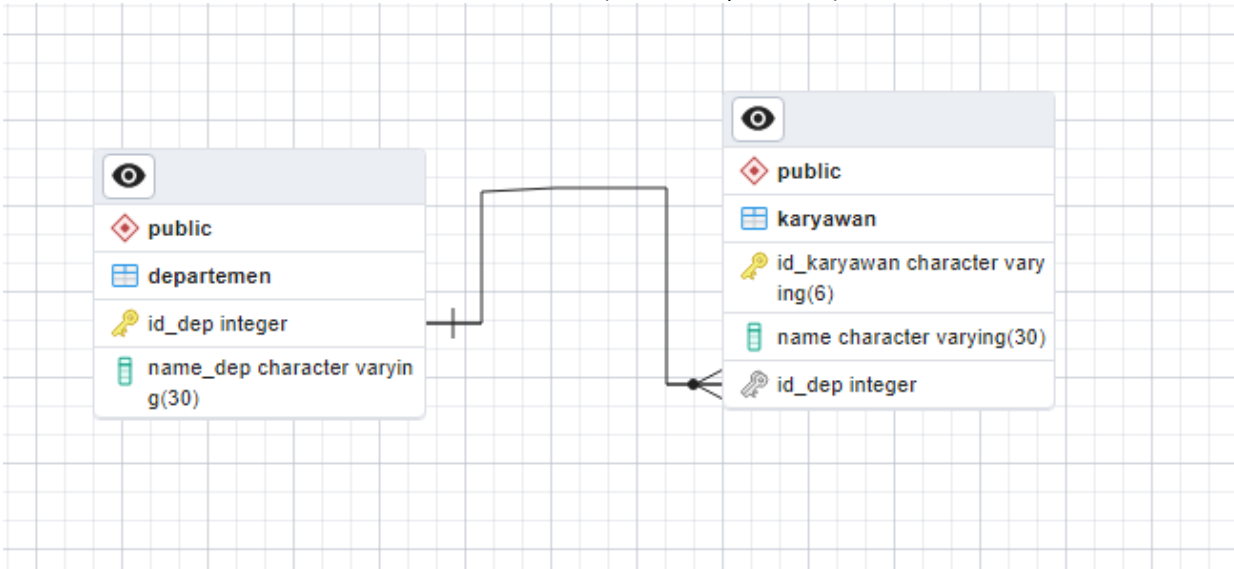**Afix Vega Praditya - 21/477810/TK/52629**

ERD dari Database:

	id_dep [PK] integer	name_dep character varying (30)
1	1	HR
2	2	Engineer
3	3	Developer
4	4	Product Manager
5	5	Finance

(isi table departemen)

Read Data :

```
CREATE OR REPLACE FUNCTION public.kry_select(
    )
    RETURNS TABLE(_id_karyawan character varying, _name character varying, _name_dep character varying)
    LANGUAGE 'plpgsql'
    COST 100
    VOLATILE PARALLEL UNSAFE
    ROWS 1000

AS $BODY$
BEGIN
    RETURN QUERY
    SELECT id_karyawan, name, name_dep
        FROM karyawan
        INNER JOIN departemen
        ON karyawan.id_dep = departemen.id_dep;
END
$BODY$;

ALTER FUNCTION public.kry_select()
    OWNER TO postgres;
```

Insert Data :

```
CREATE OR REPLACE FUNCTION public.kry_insert(
    _name character varying,
    _id_dep integer)
    RETURNS integer
    LANGUAGE 'plpgsql'
    COST 100
    VOLATILE PARALLEL UNSAFE
AS $BODY$
BEGIN
    INSERT INTO public.karyawan(
        name,
        id_dep
    ) VALUES (
        _name,
        _id_dep
    );
    IF FOUND THEN RETURN 1;
    ELSE RETURN 0;
    END IF;
END
$BODY$;

ALTER FUNCTION public.kry_insert(character varying, integer)
    OWNER TO postgres;
```

Update Data :

```sql
CREATE OR REPLACE FUNCTION public.kry_update(
    _id_karyawan character varying,
    _name character varying,
    _id_dep integer)
    RETURNS integer
    LANGUAGE 'plpgsql'
    COST 100
    VOLATILE PARALLEL UNSAFE
AS $BODY$
BEGIN
    UPDATE public.karyawan SET
        name=_name,
        id_dep = _id_dep
    WHERE id_karyawan = _id_karyawan;
    IF FOUND THEN RETURN 1;
    ELSE RETURN 0;
    END IF;
END
$BODY$;

ALTER FUNCTION public.kry_update(character varying, character varying, integer)
    OWNER TO postgres;
```

Form1 — GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan:

Dep. Karyawan:

Insert   Delete

Warning!!
Mohon Pilih baris data yang akan diupdate!!
OK

_id_karyawan	_name	_name_dep
230002		
230003		
230005	Kim Minji	Finance
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance

Load Data

Form1 — GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan: vega

Dep. Karyawan: Product Manager

Insert   Edit   Delete

_id_karyawan	_name	_name_dep
230002	afix	Developer
230003	vega	Product Manager
230005	Kim Minji	Finance
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance

Load Data

Form1 — GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan: Vega Praditya

Dep. Karyawan: Product Manager

Insert   Delete

WELL DONE!!
Data Users Berhasi diupdate!!
OK

_id_karyawan		
230002	a	
230003	v	
230005	Kim Minji	Finance
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance

Load Data

Form1 — GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan:

Dep. Karyawan:

Insert   Edit   Delete

_id_karyawan	_name	_name_dep
230002	afix	Developer
230005	Kim Minji	Finance
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance
230003	Vega Praditya	Product Manager

Load Data

Delete Data :

```
CREATE OR REPLACE FUNCTION public.kry_delete(
    _id_karyawan character varying)
    RETURNS integer
    LANGUAGE 'plpgsql'
    COST 100
    VOLATILE PARALLEL UNSAFE
AS $BODY$
BEGIN
    DELETE FROM public.karyawan
    WHERE id_karyawan = _id_karyawan;
    IF FOUND THEN RETURN 1;
    ELSE RETURN 0;
    END IF;
END
$BODY$;

ALTER FUNCTION public.kry_delete(character varying)
    OWNER TO postgres;
```

Window 1 (top-left)

Form1

GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan:

Dep. Karyawan:

Insert

Delete

Warning!!

Mohon Pilih baris data yang akan didelete!!

OK

_id_karyawan		
230002		
230005		
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance
230003	Vega Praditya	Product Manager

Load Data

Window 2 (top-right)

Form1

GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan: Kim Minju

Dep. Karyawan: Finance

Insert

Delete

Hapus Data Terkonfirmasi

Apakah Benar Anda ingin mneghapus dataKim Minju ?

Yes   No

_id_kary		
230002		
230005		
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance
230003	Vega Praditya	Product Manager

Load Data

Window 3 (bottom-left)

Form1

GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan: Kim Minju

Dep. Karyawan: Finance

Insert

Delete

WELL DONE!!

Data Users Berhasi didelete!!

OK

_id_karyawan		
230002	afi	
230005	Ki	
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230008	Kim Minju	Finance
230003	Vega Praditya	Product Manager

Load Data

Window 4 (bottom-right)

Form1

GOJEK TOKOPEDIA

ID Departemen
1 : HR
2 : Engineer
3 : Developer
4 : Product Manager
5 : Finance

Nama Karyawan:

Dep. Karyawan:

Insert   Edit   Delete

_id_karyawan	_name	_name_dep
230002	afix	Developer
230005	Kim Minji	Finance
230006	Hanni Pham	HR
230007	Kim Haerin	Finance
230003	Vega Praditya	Product Manager

Load Data