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Task : Latihan Level 3 IDP PostgreSQL

SP : Insert Karyawan + Detail

```
CREATE OR REPLACE PROCEDURE save_karyawan(  
    INOUT nama VARCHAR,  
    INOUT jk VARCHAR,  
    INOUT dob DATE,  
    INOUT alamat TEXT,  
    INOUT status VARCHAR,  
    INOUT nik VARCHAR,  
    INOUT npwp VARCHAR,  
    INOUT id BIGINT DEFAULT NULL,  
    INOUT error_desc VARCHAR DEFAULT NULL,  
    INOUT error_code INTEGER DEFAULT NULL  
)  
  
LANGUAGE plpgsql  
  
AS $$  
  
BEGIN  
  
    BEGIN  
  
        -- Insert ke karyawan_detail  
  
        RAISE NOTICE 'Inserting into karyawan_detail with nik: %, npwp: %', nik, npwp;  
  
        INSERT INTO karyawan_detail (nik, npwp, created_date)  
  
        VALUES (nik, npwp, NOW())  
  
        RETURNING karyawan_detail.id INTO id;  
  
  
        -- Insert ke karyawan  
  
        RAISE NOTICE 'Inserting into karyawan with name: %, address: %', nama, alamat;  
  
        INSERT INTO karyawan ("name", "address", "dob", "status", "created_date", "karyawan_detail")  
  
        VALUES (nama, alamat, dob, status, NOW(), id);  
  
  
        -- Sukses  
  
        error_desc := 'Success';  
  
        error_code := 0;
```

EXCEPTION WHEN OTHERS THEN

```
-- Error handling

error_desc := 'Error inserting data';

error_code := 1;

RAISE NOTICE 'Error: %', SQLERRM;

    END;

END;

$$;
```

The screenshot shows the 'Properties' window for a PostgreSQL procedure named 'save_karyawan'. The window is divided into several sections. At the top, there are tabs for 'local', 'Databases', 'postgres', 'Schemas', 'public', 'Functions', and 'save_karyawan(inout varchar, inout var...'. Below these tabs, there are fields for 'Procedure Name' (save_karyawan), 'Type' (Procedure), 'Procedure Description' (empty), and 'Object ID' (20807). The main section is titled 'Function parameters' and contains a table with the following columns: Name, Parameter Type, Parameter Kind, Ordinal Position, and Default. The table lists 10 parameters: nama (varchar, INOUT, 1), jk (varchar, INOUT, 2), dob (date, INOUT, 3), alamat (text, INOUT, 4), status (varchar, INOUT, 5), nik (varchar, INOUT, 6), npwp (varchar, INOUT, 7), id (int8, INOUT, 8), error_desc (varchar, INOUT, 9), and error_code (int4, INOUT, 10). On the left side of the window, there are tabs for 'Dependencies', 'Properties / ...', 'Permissions', and 'Source'.

Name	Parameter Type	Parameter Kind	Ordinal Position	Default
nama	varchar	INOUT	1	
jk	varchar	INOUT	2	
dob	date	INOUT	3	
alamat	text	INOUT	4	
status	varchar	INOUT	5	
nik	varchar	INOUT	6	
npwp	varchar	INOUT	7	
id	int8	INOUT	8	
error_desc	varchar	INOUT	9	
error_code	int4	INOUT	10	

```
CALL save_karyawan(
```

```
    nama := 'John Krasinski',
```

```
    jk := 'L',
```

```
    dob := '1997-02-22',
```

```
    alamat := 'Jl. Merdeka No.13',
```

```
    status := 'Active',
```

```
    nik := '123453489',
```

```
    npwp := '987456321',
```

```
    id := NULL,
```

```
    error_desc := NULL,
```

```
    error_code := NULL
```

```
);
```

Results 1

111 rows: krasinski nama = John Krasinski |jk = 1

Enter a SQL expression to filter results (use Ctrl+Space)

	nama	jk	dob	alamat	status	nik	npwp	id	error_desc	error_cc
1	John Krasinski	L	1997-02-22	Jl. Merdeka No.13	Active	123453489	987456321	2	Success	0