

Bukti Pengerjaan
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Link github [danellazs/RESPONSIELLA](https://github.com/danellazs/RESPONSIELLA)

bin	✓	12/2/2024 7:52 AM	File folder	
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Form1.cs	✓	12/2/2024 9:36 AM	C# Source File	11 KB
Form1.Designer.cs	✓	12/2/2024 8:54 AM	C# Source File	8 KB
Form1.resx	✓	12/2/2024 8:54 AM	Microsoft .NET M...	6 KB
Program.cs	✓	12/2/2024 7:52 AM	C# Source File	1 KB
responsiella.csproj	✓	12/2/2024 8:37 AM	C# Project File	1 KB
responsiella.csproj.user	✓	12/2/2024 7:52 AM	Per-User Project O...	1 KB

```
1  -- FUNCTION: public.add_karyawan(character, text, integer, integer)
2
3  -- DROP FUNCTION IF EXISTS public.add_karyawan(character, text, integer, integer);
4
5  CREATE OR REPLACE FUNCTION public.add_karyawan(
6      in_id_karyawan character,
7      in_nama text,
8      in_id_dep integer,
9      in_id_jabatan integer)
10     RETURNS integer
11     LANGUAGE 'plpgsql'
12     COST 100
13     VOLATILE PARALLEL UNSAFE
14 AS $BODY$
15 BEGIN
16     if EXISTS(
17         SELECT 1 FROM karyawan
18         WHERE id_karyawan = in_id_karyawan
19     )
20     THEN RETURN 409;
21     ELSE
22         INSERT INTO karyawan (id_karyawan, nama, id_dep, id_jabatan)
23         VALUES
24         (in_id_karyawan, in_nama, in_id_dep, in_id_jabatan);
25         RETURN 201;
26     end if;
27 END
28 $BODY$;
29
30 ALTER FUNCTION public.add_karyawan(character, text, integer, integer)
```

```
1  -- FUNCTION: public.delete_karyawan(character)
2
3  -- DROP FUNCTION IF EXISTS public.delete_karyawan(character);
4
5  CREATE OR REPLACE FUNCTION public.delete_karyawan(
6      in_id_karyawan character)
7      RETURNS integer
8      LANGUAGE 'plpgsql'
9      COST 100
10     VOLATILE PARALLEL UNSAFE
11 AS $BODY$
12 BEGIN
13     if EXISTS(
14         SELECT 1 FROM karyawan
15         WHERE id_karyawan = in_id_karyawan
16     )
17     THEN
18         DELETE FROM karyawan
19         WHERE id_karyawan=in_id_karyawan;
20         RETURN 204;
21     ELSE
22         RETURN 404;
23     end if;
24 END;
25 $BODY$;
26
27 ALTER FUNCTION public.delete_karyawan(character)
28     OWNER TO postgres;
29
```

Query Query History

```
1  |-- FUNCTION: public.edit_karyawan(character, text, integer, integer)
2
3  -- DROP FUNCTION IF EXISTS public.edit_karyawan(character, text, integer, integer)
4
5  CREATE OR REPLACE FUNCTION public.edit_karyawan(
6      in_id_karyawan character,
7      in_nama text,
8      in_id_dep integer,
9      in_id_jabatan integer)
10     RETURNS integer
11     LANGUAGE 'plpgsql'
12     COST 100
13     VOLATILE PARALLEL UNSAFE
14 AS $BODY$
15 BEGIN
16     if EXISTS(
17         SELECT 1 FROM karyawan
18         WHERE id_karyawan = in_id_karyawan
19     )
20     THEN
21         UPDATE karyawan
22         SET nama=in_nama, id_dep=in_id_dep, id_jabatan=in_id_jabatan
23         WHERE id_karyawan=in_id_karyawan;
24         RETURN 200;
25     ELSE
26         RETURN 404;
27     end if;
28 END;
```

Data Output Messages Notifications

```
-- FUNCTION: public.select_all()

-- DROP FUNCTION IF EXISTS public.select_all();

CREATE OR REPLACE FUNCTION public.select_all(
)
  RETURNS TABLE(id_karyawan character, nama character varying, id_d
  LANGUAGE 'plpgsql'
  COST 100
  VOLATILE PARALLEL UNSAFE
  ROWS 1000

AS $BODY$
BEGIN
  RETURN QUERY
  SELECT
    k.id_karyawan,
    k.nama,
    k.id_dep,
    d.nama_dep,
    k.id_jabatan,
    j.nama_jabatan
  FROM
    karyawan k
  LEFT JOIN
    departemen d ON k.id_dep = d.id_dep
  LEFT JOIN
    jabatan j ON k.id_jabatan = j.id_jabatan;
END;
```

DATABASE ERD


```

}
1 reference
private void BtnInsert_Click(object sender, EventArgs e)
{
    try
    {
        conn.Open();
        string idKaryawan = Guid.NewGuid().ToString("N").Substring(0, 6); // Generates a 6-character unique ID

        sql = @"select * from add_karyawan(:in_id_karyawan, :in_nama, :in_id_dep, :in_id_jabatan)";
        cmd = new NpgsqlCommand(sql, conn);

        // Assign parameters before executing
        cmd.Parameters.AddWithValue("in_id_karyawan", idKaryawan);
        cmd.Parameters.AddWithValue("in_nama", TbName.Text);
        cmd.Parameters.AddWithValue("in_id_dep", cbKaryawan.SelectedValue != null ? Convert.ToInt32(cbKaryawan.SelectedValue) : 0);
        cmd.Parameters.AddWithValue("in_id_jabatan", cbJabatan.SelectedValue != null ? Convert.ToInt32(cbJabatan.SelectedValue) : 0);

        int result = (int)cmd.ExecuteScalar(); // Execute the SQL query

        // Handle result
        if (result == 201) // Assuming 201 means success based on your SQL function
        {
            MessageBox.Show("Data Karyawan Berhasil Diinputkan", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information);
            BtnLoad.PerformClick(); // Reload data
            TbName.Text = null; // Clear input field
        }
        else if (result == 409) // Assuming 409 means conflict
        {
            MessageBox.Show("Data Karyawan sudah ada!", "Conflict", MessageBoxButtons.OK, MessageBoxIcon.Warning);
        }

        conn.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show("Error: " + ex.Message, "Insert FAIL!", MessageBoxButtons.OK, MessageBoxIcon.Error);
    }
}

```

LOGO

label4

Nama Karyawan:

Load

Dep. Karyawan :

Dep. Jabatan :

INSERT

EDIT

DELETE

--

LOGO

label4

Nama Karyawan:

Load

Dep. Karyawan :

Dep. Jabatan :

INSERT

EDIT

DELETE

	id_karyawan	nama	id_dep	nama_dep	id_jabatan	nama_jabatan
▶	c9946d	SUJI	1	HR	1	HR Specialist
	b93032	MARI	2	ENG	1	HR Specialist
*						

Form1

—

□

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LOGO

label4

Nama Karyawan:

MARI

Load

Dep. Karyawan :

ENG

▼

Dep. Jabatan :

HR Specialist

▼

INSERT

EDIT

DELETE

	id_karyawan	nama	id_dep	nama_dep	id_jabatan	nama_jabatan
	c9946d	SUJI	1	HR	1	HR Specialist
▶	b93032	MARI	2	ENG	1	HR Specialist
*						