

LAMPIRAN

Lampiran 1. Sript *Query* untuk memeriksa data *noise*

- a. Script Query untuk memeriksa data null

```
SELECT * FROM [NAMA_TABEL]
WHERE [NAMA_KOLOM] IS NULL
```

- b. Script Query untuk memeriksa incomplete data

```
SELECT * FROM [NAMA_TABEL]
WHERE [NAMA_KOLOM] = ''
```

- c. Script Query untuk memeriksa data duplikat

```
SELECT id_fakultas FROM dim_prodi
GROUP BY id_fakultas HAVING (COUNT (id_fakultas) > 1)
```

Lampiran 2. *Sqript Query* untuk membuat tabel pada *data store* NDS

a. Tabel `dbo.stage_alumni`

```

CREATE TABLE [dbo].[stage_alumni](
    [id] [int] NOT NULL,
    [nim] [varchar](25) NOT NULL,
    [nama] [varchar](75) NULL,
    [tempat_lahir] [varchar](250) NULL,
    [jenis_kelamin] [varchar](1) NULL,
    [id_prodi] [int] NULL,
    [bulan_lulus] [int] NULL,
    [tahun_lulus] [int] NULL,
    [ipk] [float] NULL,
    [judul_skripsi] [varchar](250) NULL,
    [password] [varchar](250) NOT NULL,
    [alamat] [varchar](250) NULL,
    [email] [varchar](50) NULL,
    [nomor_hp] [varchar](50) NULL,
    [nomor_tlp_rumah] [varchar](50) NULL,
    [id_jenis_pekerjaan] [int] NULL,
    [nama_institusi] [varchar](75) NULL,
    [alamat_institusi] [varchar](max) NULL,
    [bagian] [varchar](75) NULL,
    [masa_tunggu] [float] NULL,
    [id_salary_range] [int] NULL,
    [tanggal_lahir] [datetime] NULL,
    [tanggal_mulai_kerja] [datetime] NULL,
    [tanggal_akhir_kerja] [datetime] NULL,
    [nama_institusi_pertama] [varbinary](75) NULL,
    [alamat_institusi_pertama] [varchar](max) NULL,
    [bagian_pertama] [varbinary](75) NULL,
    [relevansi_pendidikan] [bit] NULL,
    [alasan_relevansi] [varchar](max) NULL,
    [saran] [varchar](max) NULL,
    [UserRoleId] [int] NULL,
    [Angkatan] [int] NULL,
    [Jabatan] [varchar](100) NULL,
    [IsMengisi] [bit] NULL,
    [GetJobYear] [int] NULL,
    [GetJobMonth] [int] NULL,
    [GetJobDay] [int] NULL,
    CONSTRAINT [PK_alumni] PRIMARY KEY CLUSTERED
    ( [id] ASC ) WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
    IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
    ON [PRIMARY], CONSTRAINT [AK_alumni] UNIQUE NONCLUSTERED
    ( [nim] ASC ) WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
    IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
    ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY] GO

```

b. Tabel dbo.stage_fakultas

```

CREATE TABLE [dbo].[stage_fakultas](
    [id] [int] NOT NULL,
    [nama_fakultas] [varchar](75) NOT NULL,
    CONSTRAINT [PK_fakultas] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS =
ON) ON [PRIMARY]
) ON [PRIMARY]

GO

```

c. Tabel dbo.stage_jenis_pekerjaan

```

CREATE TABLE [dbo].[stage_jenis_pekerjaan](
    [id] [int] NOT NULL,
    [keterangan] [varchar](75) NOT NULL,
    CONSTRAINT [PK_jenis_pekerjaan] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]

GO

```

d. Tabel dbo.stage_salary_range

```

CREATE TABLE [dbo].[stage_salary_range](
    [id] [int] NOT NULL,
    [range] [varchar](75) NOT NULL,
    CONSTRAINT [PK_salary_range] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]

GO

```

e. Tabel dbo.stage_prodi

```

CREATE TABLE [dbo].[stage_prodi](
    [id] [int] NOT NULL,
    [id_fakultas] [int] NOT NULL,
    [nama_prodi] [varchar](75) NOT NULL,
    CONSTRAINT [PK_prodi] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

f. Tabel dbo.stage_send_jobs

```

CREATE TABLE [dbo].[stage_send_jobs](
    [id] [int] NOT NULL,
    [id_alumni] [int] NOT NULL,
    [id_job_position] [int] NOT NULL,
    [date_of_send] [datetime] NOT NULL,
    CONSTRAINT [PK_send_jobs] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

g. Tabel dbo.stage_user

```

CREATE TABLE [dbo].[stage_user](
    [id] [int] NOT NULL,
    [username] [varchar](25) NOT NULL,
    [password] [varchar](250) NOT NULL,
    [nama] [varchar](75) NULL,
    [alamat] [varchar](250) NULL,
    [profile] [varchar](max) NULL,
    [role] [varchar](10) NULL,
    [UserRoleId] [int] NULL,
    CONSTRAINT [PK_user] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY] GO

```

h. Tabel dbo.stage_UserRole

```

CREATE TABLE [dbo].[stage_UserRole](
    [UserRoleId] [int] NOT NULL,
    [UserRoleName] [varchar](50) NULL,
    CONSTRAINT [PK__stage_Us__3D978A35087F18ED] PRIMARY KEY CLUSTERED
(
    [UserRoleId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]

GO

```

i. Tabel dbo.stage_job_position

```

CREATE TABLE [dbo].[stage_job_position](
    [id] [int] NOT NULL,
    [id_user] [int] NOT NULL,
    [title] [varchar](75) NOT NULL,
    [company_name] [varchar](75) NULL,
    [company_description] [varchar](max) NULL,
    [position] [varchar](150) NULL,
    [qualification] [varchar](max) NULL,
    [term_of_requirement] [varchar](max) NULL,
    [closing_date] [datetime] NULL,
    [date_of_create] [datetime] NULL,
    CONSTRAINT [PK_job_position] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

GO

```

Lampiran 3. *Script Query* untuk membuat tabel pada *data store* DDSa. Tabel `dbo.nds_alumni`

```

CREATE TABLE [dbo].[nds_alumni](
    [id] [int] NOT NULL,
    [nim] [varchar](25) NULL,
    [nama] [varchar](75) NULL,
    [tempat_lahir] [varchar](250) NULL,
    [jenis_kelamin] [varchar](1) NULL,
    [id_prodi] [int] NULL,
    [bulan_lulus] [int] NULL,
    [tahun_lulus] [int] NULL,
    [ipk] [float] NULL,
    [password] [varchar](250) NULL,
    [alamat] [varchar](250) NULL,
    [email] [varchar](50) NULL,
    [nomor_hp] [varchar](50) NULL,
    [nomor_tlp_rumah] [varchar](50) NULL,
    [id_jenis_pekerjaan] [int] NULL,
    [nama_institusi] [varchar](75) NULL,
    [alamat_institusi] [varchar](max) NULL,
    [bagian] [varchar](75) NULL,
    [id_salary_range] [int] NULL,
    [tanggal_lahir] [datetime] NULL,
    [tanggal_mulai_kerja] [datetime] NULL,
    [tanggal_akhir_kerja] [datetime] NULL,
    [relevansi_pendidikan] [bit] NULL,
    [alasan_relevansi] [varchar](max) NULL,
    [saran] [varchar](max) NULL,
    [UserRoleId] [int] NULL,
    [Angkatan] [int] NULL,
    [Jabatan] [varchar](100) NULL,
    [IsMengisi] [bit] NULL,
    [GetJobYear] [int] NULL,
    [GetJobMonth] [int] NULL,
    [GetJobDay] [int] NULL,
    CONSTRAINT [PK_nds_alumni] PRIMARY KEY CLUSTERED
    (
        [id] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
    IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
    ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

ALTER TABLE [dbo].[nds_alumni] WITH CHECK ADD CONSTRAINT
[FK_nds_alumni_nds_jenis_pekerjaan] FOREIGN
KEY([id_jenis_pekerjaan])
REFERENCES [dbo].[nds_jenis_pekerjaan] ([id])

```

```

GO

ALTER TABLE [dbo].[nds_alumni] CHECK CONSTRAINT
[FK_nds_alumni_nds_jenis_pekerjaan]
GO

ALTER TABLE [dbo].[nds_alumni] WITH CHECK ADD CONSTRAINT
[FK_nds_alumni_nds_prodi] FOREIGN KEY([id_prodi])
REFERENCES [dbo].[nds_prodi] ([id])
GO

ALTER TABLE [dbo].[nds_alumni] CHECK CONSTRAINT
[FK_nds_alumni_nds_prodi]
GO

ALTER TABLE [dbo].[nds_alumni] WITH CHECK ADD CONSTRAINT
[FK_nds_alumni_nds_salary_range] FOREIGN KEY([id_salary_range])
REFERENCES [dbo].[nds_salary_range] ([id])
GO

ALTER TABLE [dbo].[nds_alumni] CHECK CONSTRAINT
[FK_nds_alumni_nds_salary_range]
GO

ALTER TABLE [dbo].[nds_alumni] WITH CHECK ADD CONSTRAINT
[FK_nds_alumni_nds_UserRole] FOREIGN KEY([UserRoleId])
REFERENCES [dbo].[nds_UserRole] ([UserRoleId])
GO

ALTER TABLE [dbo].[nds_alumni] CHECK CONSTRAINT
[FK_nds_alumni_nds_UserRole]
GO

```

b. Tabel dbo.nds_fakultas

```

CREATE TABLE [dbo].[nds_fakultas](
    [id] [int] NOT NULL,
    [nama_fakultas] [varchar](75) NOT NULL,
    CONSTRAINT [PK_fakultas] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

c. Tabel dbo.nds_jenis_pekerjaan

```

CREATE TABLE [dbo].[nds_jenis_pekerjaan](
    [id] [int] NOT NULL,
    [keterangan] [varchar](75) NOT NULL,
    CONSTRAINT [PK_jenis_pekerjaan] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

d. Tabel dbo.nds_job_position

```

CREATE TABLE [dbo].[nds_job_position](
    [id] [int] NOT NULL,
    [id_user] [int] NOT NULL,
    [title] [varchar](75) NOT NULL,
    [company_name] [varchar](75) NULL,
    [company_description] [varchar](max) NULL,
    [position] [varchar](150) NULL,
    [qualification] [varchar](max) NULL,
    [term_of_requirement] [varchar](max) NULL,
    [closing_date] [datetime] NULL,
    [date_of_create] [datetime] NULL,
    CONSTRAINT [PK_job_position] PRIMARY KEY CLUSTERED
(
    [id] ASC
)
)
WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
)
ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

ALTER TABLE [dbo].[nds_job_position] WITH CHECK ADD CONSTRAINT
[FK_nds_job_position_nds_user] FOREIGN KEY([id_user])
REFERENCES [dbo].[nds_user] ([id])
GO

ALTER TABLE [dbo].[nds_job_position] CHECK CONSTRAINT
[FK_nds_job_position_nds_user]
GO

```


e. Tabel dbo.nds_prodi

```

CREATE TABLE [dbo].[nds_prodi](
    [id] [int] NOT NULL,
    [id_fakultas] [int] NOT NULL,
    [nama_prodi] [varchar](75) NOT NULL,
    CONSTRAINT [PK_prodi] PRIMARY KEY CLUSTERED
    ( [id] ASC )
WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[nds_prodi] WITH CHECK ADD CONSTRAINT
[FK_nds_prodi_nds_fakultas] FOREIGN KEY([id_fakultas])
REFERENCES [dbo].[nds_fakultas] ([id])
GO

ALTER TABLE [dbo].[nds_prodi] CHECK CONSTRAINT
[FK_nds_prodi_nds_fakultas]
GO

```

f. Tabel dbo.nds_salary_range

```

CREATE TABLE [dbo].[nds_salary_range](
    [id] [int] NOT NULL,
    [range] [varchar](75) NOT NULL,
    CONSTRAINT [PK_salary_range] PRIMARY KEY CLUSTERED
    (
        [id] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

g. Tabel dbo.nds_UserRole

```

CREATE TABLE [dbo].[nds_UserRole](
    [UserRoleId] [int] NOT NULL,
    [UserRoleName] [varchar](50) NULL,
    CONSTRAINT [PK__stage_Us__3D978A35087F18ED] PRIMARY KEY CLUSTERED
    ( [UserRoleId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

h. Tabel dbo.nds_send_jobs

```

CREATE TABLE [dbo].[nds_send_jobs](
    [id] [int] NOT NULL,
    [id_alumni] [int] NOT NULL,
    [id_job_position] [int] NOT NULL,
    [date_of_send] [datetime] NOT NULL,
    CONSTRAINT [PK_send_jobs] PRIMARY KEY CLUSTERED
    (
        [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[nds_send_jobs] WITH CHECK ADD CONSTRAINT
[FK_nds_send_jobs_nds_job_position] FOREIGN KEY([id_job_position])
REFERENCES [dbo].[nds_job_position] ([id])
GO

ALTER TABLE [dbo].[nds_send_jobs] CHECK CONSTRAINT
[FK_nds_send_jobs_nds_job_position]
GO

```

i. Tabel dbo.nds_user

```

CREATE TABLE [dbo].[nds_user](
    [id] [int] NOT NULL,
    [username] [varchar](25) NOT NULL,
    [password] [varchar](250) NOT NULL,
    [nama] [varchar](75) NULL,
    [alamat] [varchar](250) NULL,
    [role] [varchar](10) NULL,
    [UserRoleid] [int] NULL,
    CONSTRAINT [PK_user] PRIMARY KEY CLUSTERED
(
    [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

```

Lampiran 4. *Script Query* untuk membuat tabel dimensi

a. Tabel dim_fakultas

```

CREATE TABLE [dbo].[dim_fakultas](
    [fakultas_key] [int] IDENTITY(1,1) NOT NULL,
    [id] [int] NULL,
    [nama_fakultas] [varchar](75) NULL,
    CONSTRAINT [PK_dim_fakultas] PRIMARY KEY CLUSTERED
(
    [fakultas_key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

b. Tabel dim_jenis_pekerjaan

```

CREATE TABLE [dbo].[dim_jenis_pekerjaan](
    [jenispekerjaan_key] [int] IDENTITY(1,1) NOT NULL,
    [id] [int] NULL,
    [keterangan] [varchar](75) NULL,
    CONSTRAINT [PK_dim_jenis_pekerjaan] PRIMARY KEY CLUSTERED
(
    [jenispekerjaan_key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

c. Tabel dim_prodi

```

CREATE TABLE [dbo].[dim_prodi](
    [prodi_key] [int] IDENTITY(1,1) NOT NULL,
    [id] [int] NULL,
    [id_fakultas] [int] NULL,
    [nama_prodi] [varchar](75) NULL,
    CONSTRAINT [PK_dim_prodi] PRIMARY KEY CLUSTERED
(
    [prodi_key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]

GO

```

d. Tabel dim_alumni_temp

```

CREATE TABLE [dbo].[dim_alumni_temp](
    [id] [int] NULL,
    [nim] [varchar](25) NULL,
    [nama] [varchar](75) NULL,
    [tempat_lahir] [varchar](250) NULL,
    [jenis_kelamin] [varchar](1) NULL,
    [id_prodi] [int] NULL,
    [bulan_lulus] [int] NULL,
    [tahun_lulus] [int] NULL,
    [ipk] [float] NULL,
    [password] [varchar](250) NULL,
    [alamat] [varchar](250) NULL,
    [email] [varchar](50) NULL,
    [nomor_hp] [varchar](50) NULL,
    [nomor_tlp_rumah] [varchar](50) NULL,
    [id_jenis_pekerjaan] [int] NULL,
    [nama_institusi] [varchar](75) NULL,
    [alamat_institusi] [varchar](max) NULL,
    [bagian] [varchar](75) NULL,
    [id_salary_range] [int] NULL,
    [tanggal_lahir] [datetime] NULL,
    [tanggal_mulai_kerja] [datetime] NULL,
    [tanggal_akhir_kerja] [datetime] NULL,
    [relevansi_pendidikan] [bit] NULL,
    [alasan_relevansi] [varchar](max) NULL,
    [saran] [varchar](max) NULL,
    [UserRoleid] [int] NULL,
    [Angkatan] [int] NULL,
    [Jabatan] [varchar](100) NULL,
    [IsMengisi] [bit] NULL,

```

```

        [GetJobYear] [int] NULL,
        [GetJobMonth] [int] NULL,
        [GetJobDay] [int] NULL,
        [tanggal_lulus] [varchar](26) NULL,
        [MasaTunggu] [int] NULL
    ) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

e. Tabel dim_alumnus

```

CREATE TABLE [dbo].[dim_alumnus](
    [alumnus_key] [int] IDENTITY(1,1) NOT NULL,
    [id] [int] NULL,
    [nim] [varchar](25) NULL,
    [nama] [varchar](75) NULL,
    [tempat_lahir] [varchar](250) NULL,
    [jenis_kelamin] [varchar](1) NULL,
    [id_prodi] [int] NULL,
    [bulan_lulus] [int] NULL,
    [tahun_lulus] [int] NULL,
    [ipk] [float] NULL,
    [password] [varchar](250) NULL,
    [alamat] [varchar](250) NULL,
    [email] [varchar](50) NULL,
    [nomor_hp] [varchar](50) NULL,
    [nomor_tlp_rumah] [varchar](50) NULL,
    [id_jenis_pekerjaan] [int] NULL,
    [nama_institusi] [varchar](75) NULL,
    [alamat_institusi] [varchar](max) NULL,
    [bagian] [varchar](75) NULL,
    [id_salary_range] [int] NULL,
    [tanggal_lahir] [datetime] NULL,
    [tanggal_mulai_kerja] [datetime] NULL,
    [tanggal_akhir_kerja] [datetime] NULL,
    [relevansi_pendidikan] [bit] NULL,
    [alasan_relevansi] [varchar](max) NULL,
    [saran] [varchar](max) NULL,
    [UserRoleid] [int] NULL,
    [Angkatan] [int] NULL,
    [Jabatan] [varchar](100) NULL,
    [IsMengisi] [bit] NULL,
    [GetJobYear] [int] NULL,
    [GetJobMonth] [int] NULL,
    [GetJobDay] [int] NULL,
    [MasaTunggu] [int] NULL,
    CONSTRAINT [PK_dim_alumnus] PRIMARY KEY CLUSTERED
    (
        [alumnus_key] ASC
    )

```

```

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

GO

```

f. Tabel dim_userrole

```

CREATE TABLE [dbo].[dim_userrole](
    [userrole_key] [int] IDENTITY(1,1) NOT NULL,
    [UserRoleId] [int] NULL,
    [UserRoleName] [varchar](50) NULL,
    CONSTRAINT [PK_dim_userrole] PRIMARY KEY CLUSTERED
    ( [userrole_key] ASC )
WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
) ON [PRIMARY]

GO

```

g. Tabel dim_salary_range

```

CREATE TABLE [dbo].[dim_salary_range](
    [salaryrange_key] [int] IDENTITY(1,1) NOT NULL,
    [id] [int] NULL,
    [range] [varchar](75) NULL,
    CONSTRAINT [PK_dim_salary_range] PRIMARY KEY CLUSTERED
    ( [salaryrange_key] ASC) WITH (PAD_INDEX = OFF,
STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]

GO

```

Lampiran 5. *Script Query* untuk membuat tabel fakta dbo.fact_alumnus

```

CREATE TABLE [dbo].[fact_alumnus](
    [prodi_key] [int] NULL,
    [fakultas_key] [int] NULL,
    [jenispekerjaan_key] [int] NULL,
    [salaryrange_key] [int] NULL,
    [userrole_key] [int] NULL,
    [ipk] [float] NULL,
    [alumnus_key] [int] NULL
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[fact_alumnus] WITH CHECK ADD CONSTRAINT
[FK_fact_alumnus_dim_alumnus] FOREIGN KEY([alumnus_key])
REFERENCES [dbo].[dim_alumnus] ([alumnus_key])
GO

ALTER TABLE [dbo].[fact_alumnus] CHECK CONSTRAINT
[FK_fact_alumnus_dim_alumnus]
GO

ALTER TABLE [dbo].[fact_alumnus] WITH CHECK ADD CONSTRAINT
[FK_fact_alumnus_dim_fakultas] FOREIGN KEY([fakultas_key])
REFERENCES [dbo].[dim_fakultas] ([fakultas_key])
GO

ALTER TABLE [dbo].[fact_alumnus] CHECK CONSTRAINT
[FK_fact_alumnus_dim_fakultas]
GO

ALTER TABLE [dbo].[fact_alumnus] WITH CHECK ADD CONSTRAINT
[FK_fact_alumnus_dim_jenis_pekerjaan] FOREIGN KEY([jenispekerjaan_key])
REFERENCES [dbo].[dim_jenis_pekerjaan] ([jenispekerjaan_key])
GO

ALTER TABLE [dbo].[fact_alumnus] CHECK CONSTRAINT
[FK_fact_alumnus_dim_jenis_pekerjaan]
GO

ALTER TABLE [dbo].[fact_alumnus] WITH CHECK ADD CONSTRAINT
[FK_fact_alumnus_dim_prodi] FOREIGN KEY([prodi_key])
REFERENCES [dbo].[dim_prodi] ([prodi_key])
GO

ALTER TABLE [dbo].[fact_alumnus] CHECK CONSTRAINT
[FK_fact_alumnus_dim_prodi]
GO

```

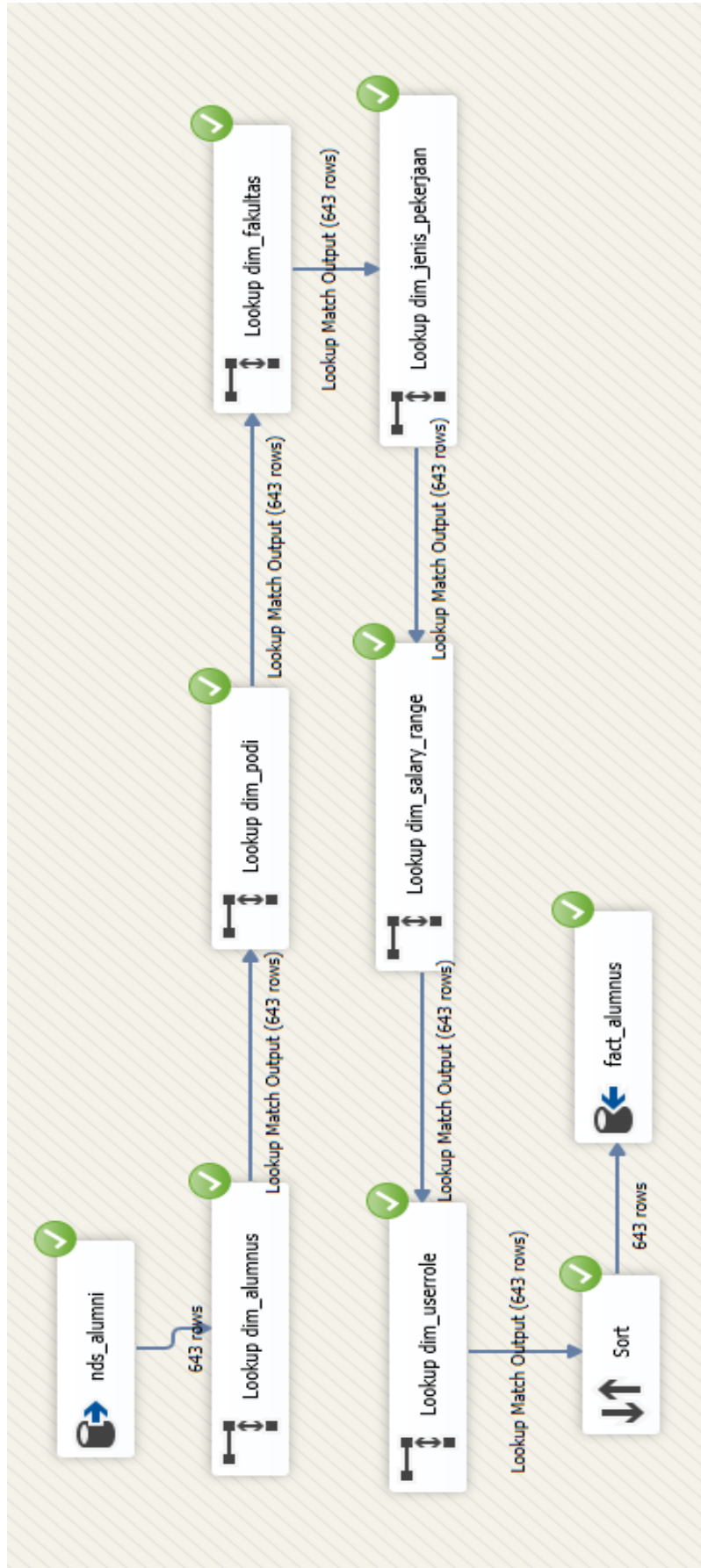
```
ALTER TABLE [dbo].[fact_alumnus] WITH CHECK ADD CONSTRAINT
[FK_fact_alumnus_dim_salary_range] FOREIGN KEY([salaryrange_key])
REFERENCES [dbo].[dim_salary_range] ([salaryrange_key])
GO

ALTER TABLE [dbo].[fact_alumnus] CHECK CONSTRAINT
[FK_fact_alumnus_dim_salary_range]
GO

ALTER TABLE [dbo].[fact_alumnus] WITH CHECK ADD CONSTRAINT
[FK_fact_alumnus_dim_userrole] FOREIGN KEY([userrole_key])
REFERENCES [dbo].[dim_userrole] ([userrole_key])
GO

ALTER TABLE [dbo].[fact_alumnus] CHECK CONSTRAINT
[FK_fact_alumnus_dim_userrole]
GO
```

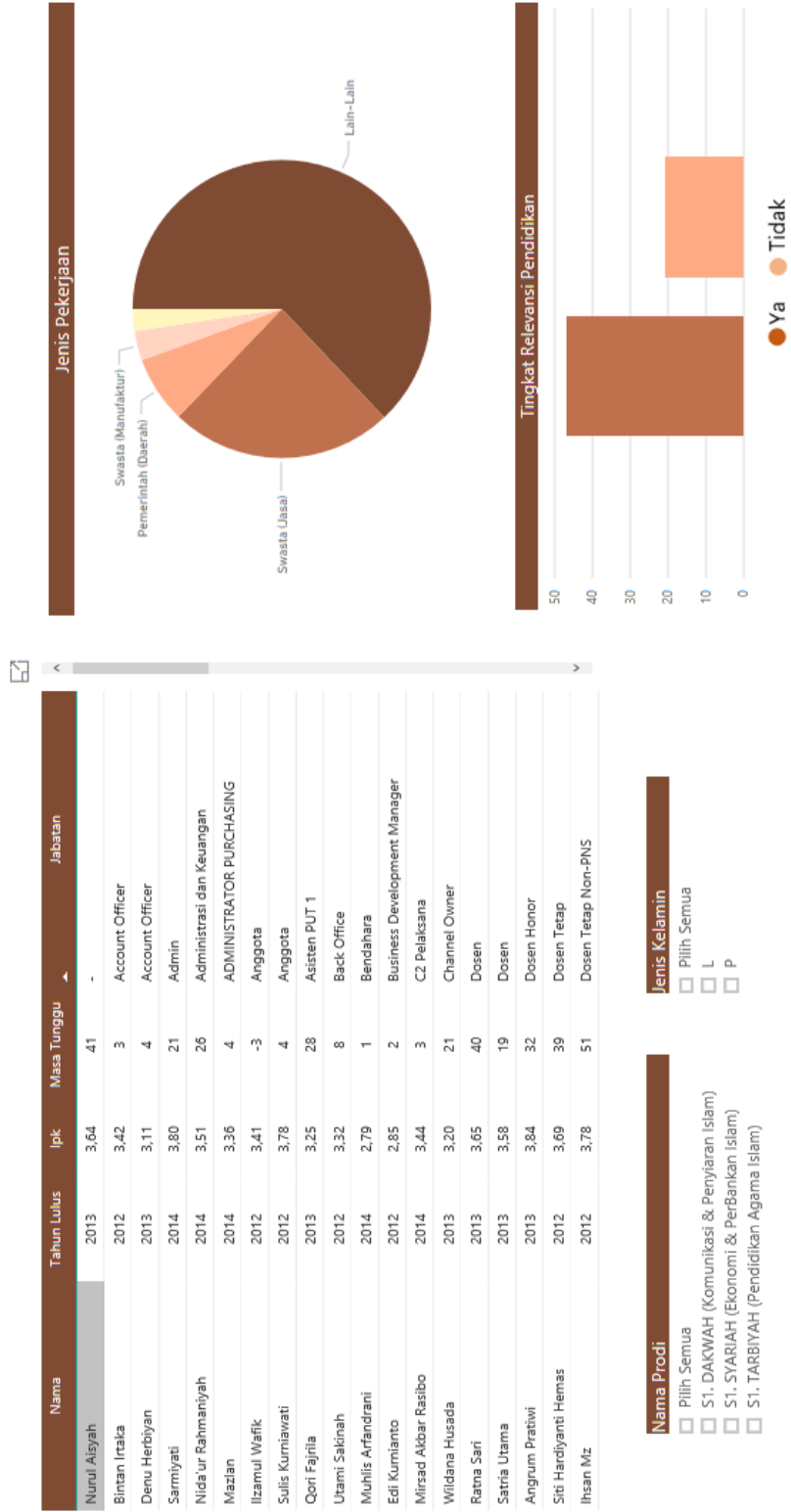

Lampiran 6. Proses ETL tabel dbo.fact_alumnus



Lampiran 7. Data Pelaporan Pelacakan Studi pada Dashboard

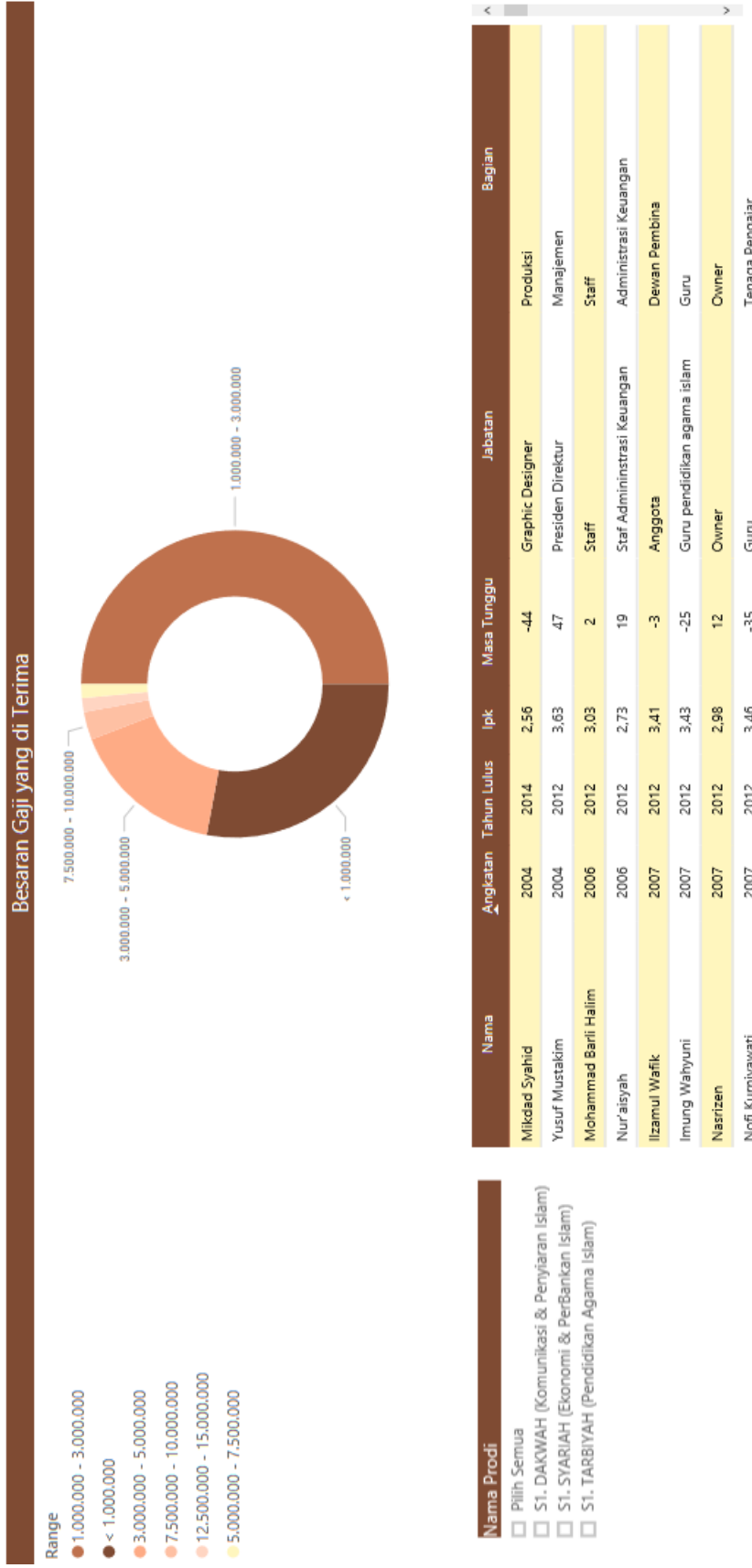
a. Data Alumni Fakultas Agama Islam UMY berdasarkan jenis pekerjaan dan relevansi pendidikan

Data Alumni Fakultas Agama Islam UMY berdasarkan jenis pekerjaan dan Relevansi Pendidikan



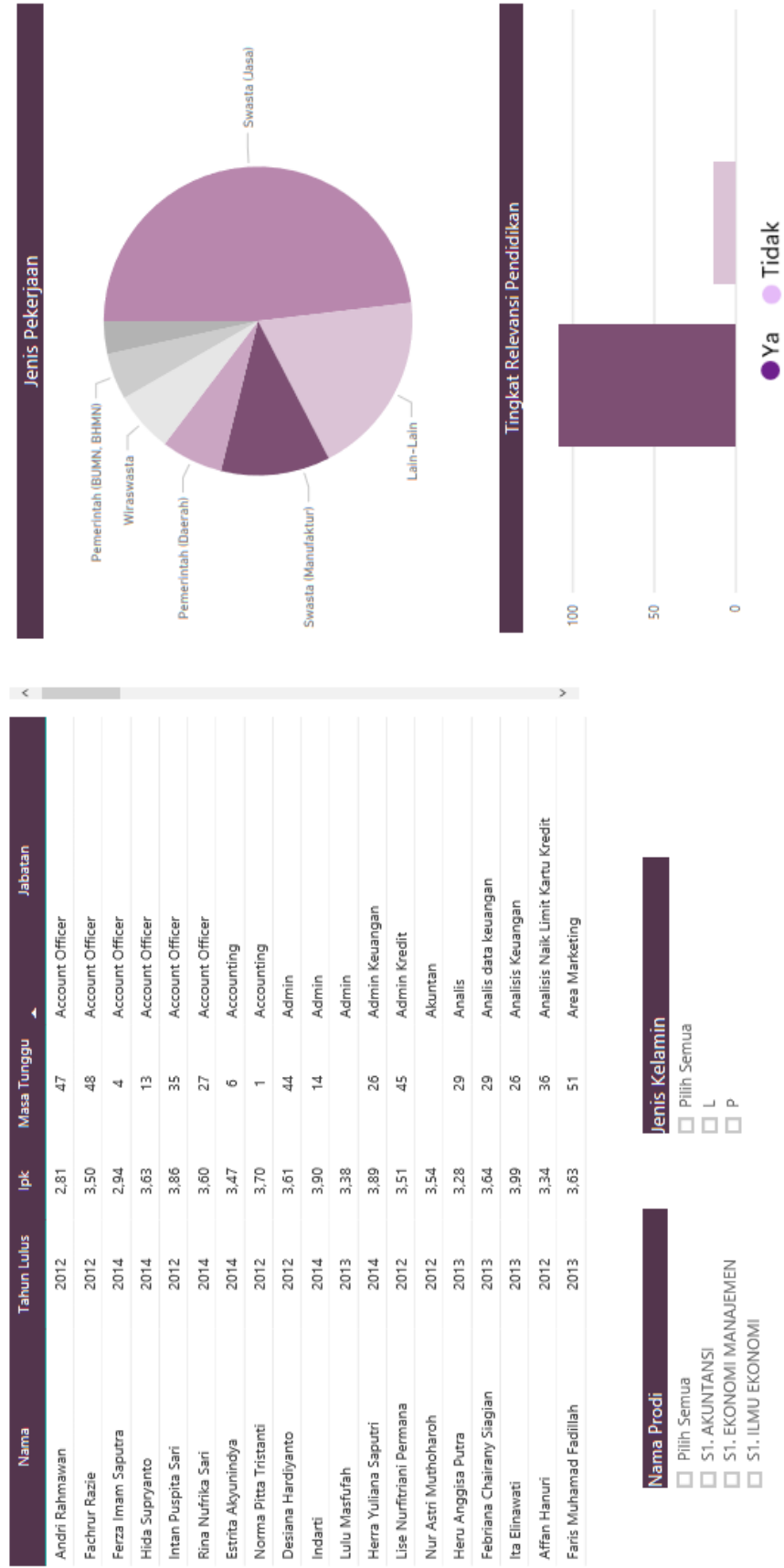
b. Data Alumni Fakultas Agama Islam UMY berdasarkan Gaji yang diterima

Data Alumni Fakultas Agama Islam UMY berdasarkan Gaji yang diterima



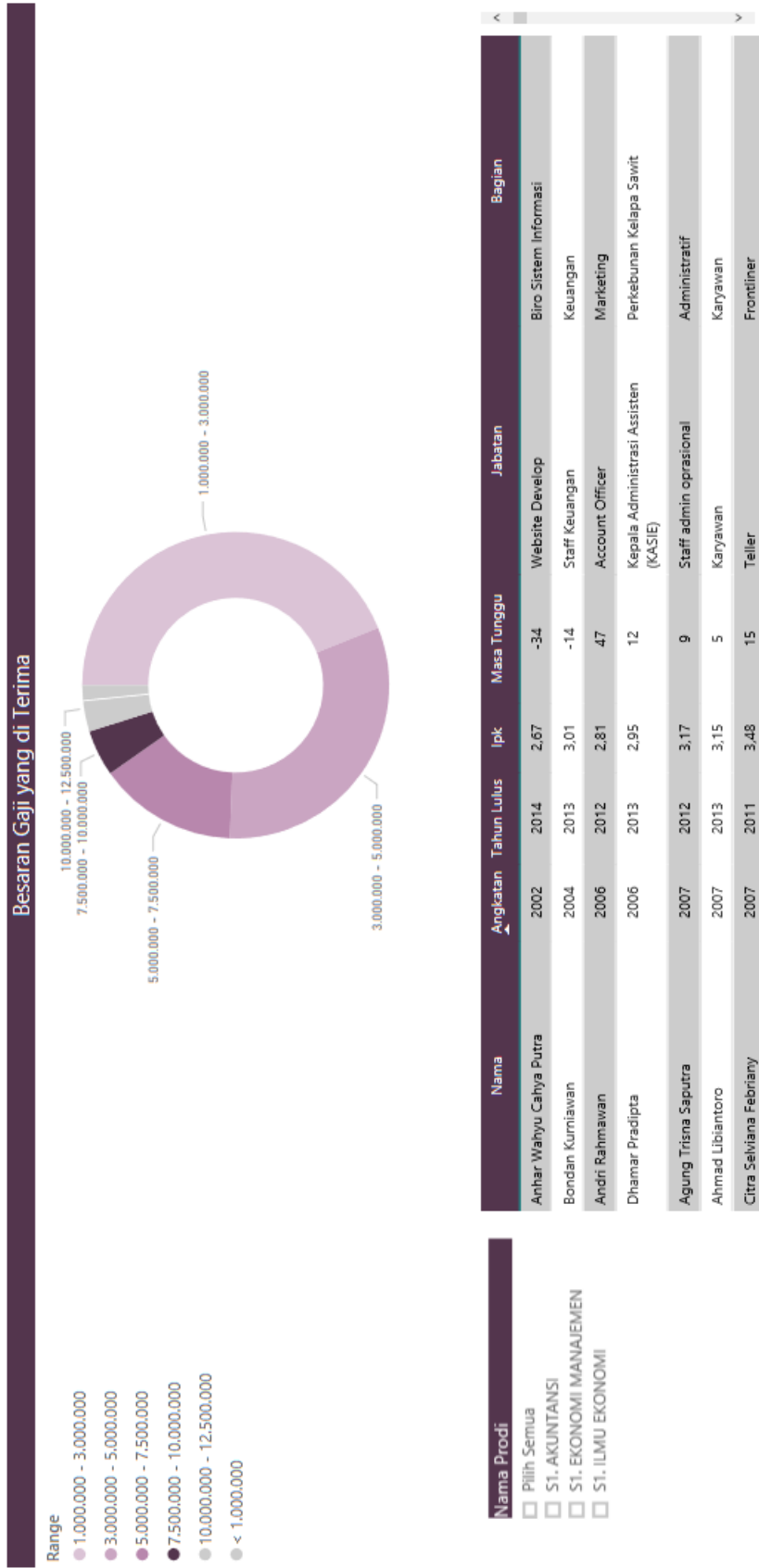
c. Data Alumni Fakultas Ekonomi UMY berdasarkan jenis pekerjaan dan relevansi pendidikan

Data Alumni Fakultas Ekonomi UMY berdasarkan Jenis pekerjaan dan Relevansi Pendidikan



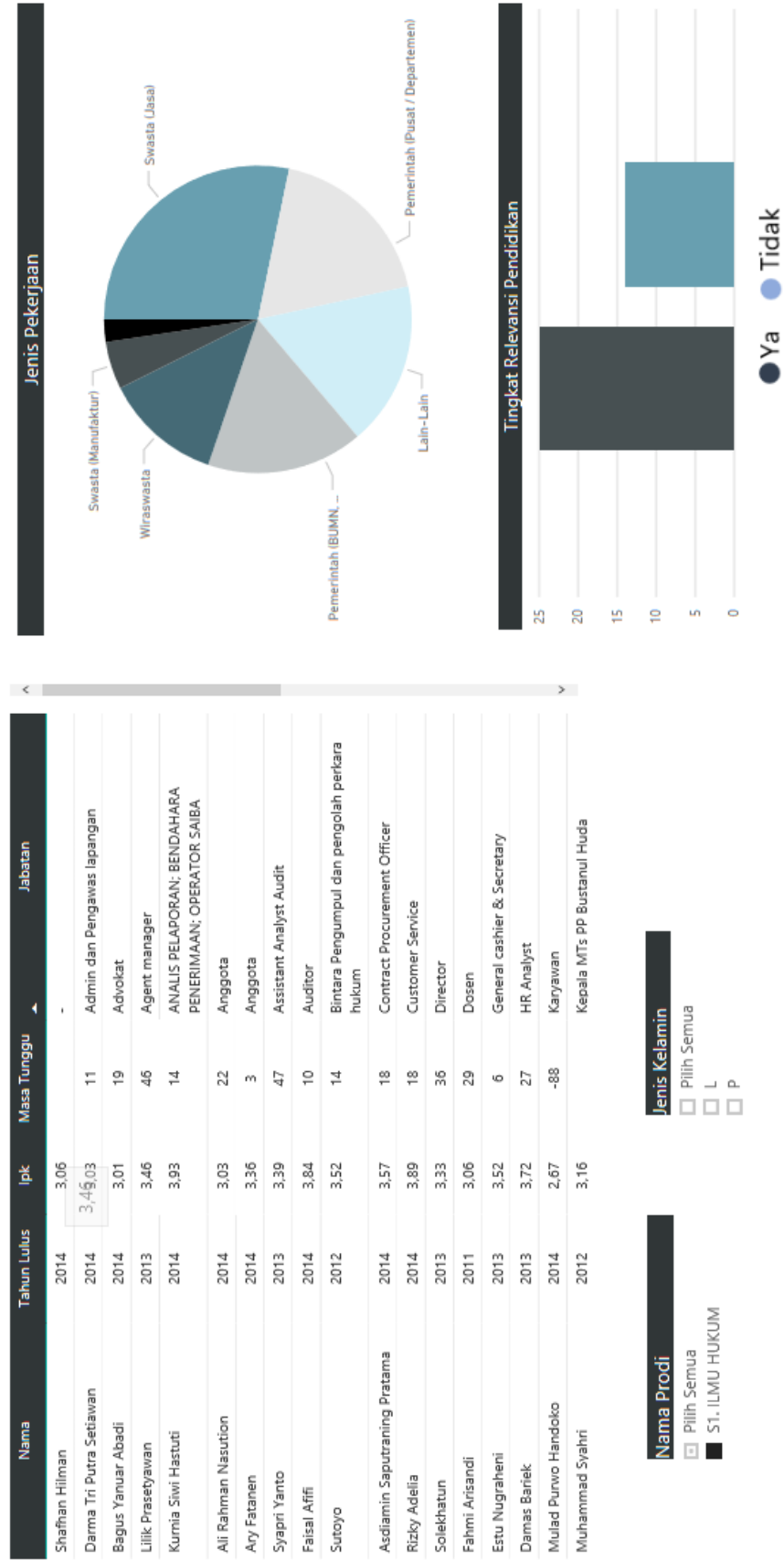
d. Data Alumni Fakultas Ekonomi UMY berdasarkan Gaji yang diterima

Data Alumni Fakultas Ekonomi UMY berdasarkan Gaji yang di terima



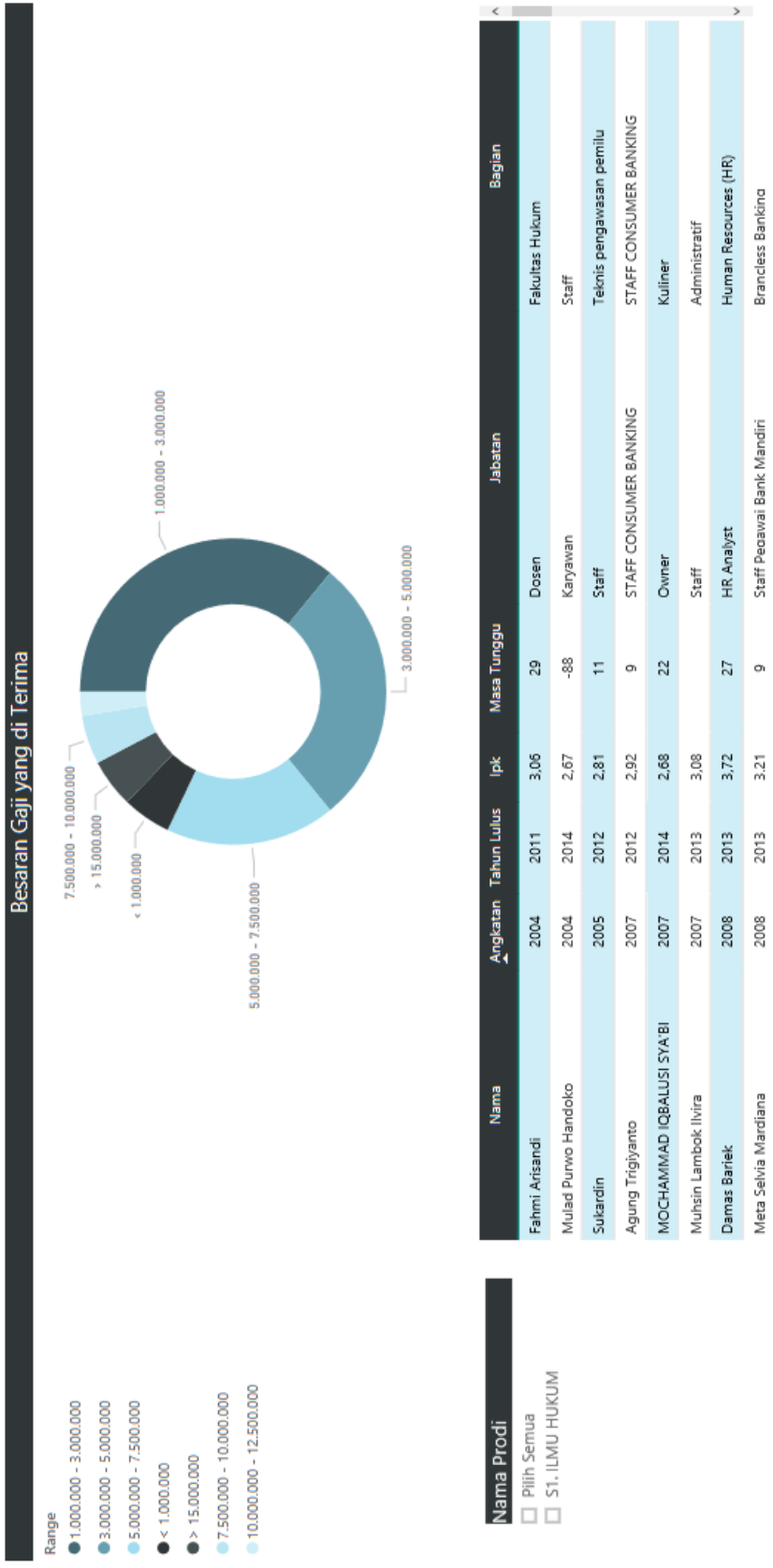
e. Data Alumni Fakultas Hukum UMY berdasarkan jenis pekerjaan dan relevansi pendidikan

Data Alumni Fakultas Hukum UMY berdasarkan Jenis pekerjaan dan Relevansi Pendidikan



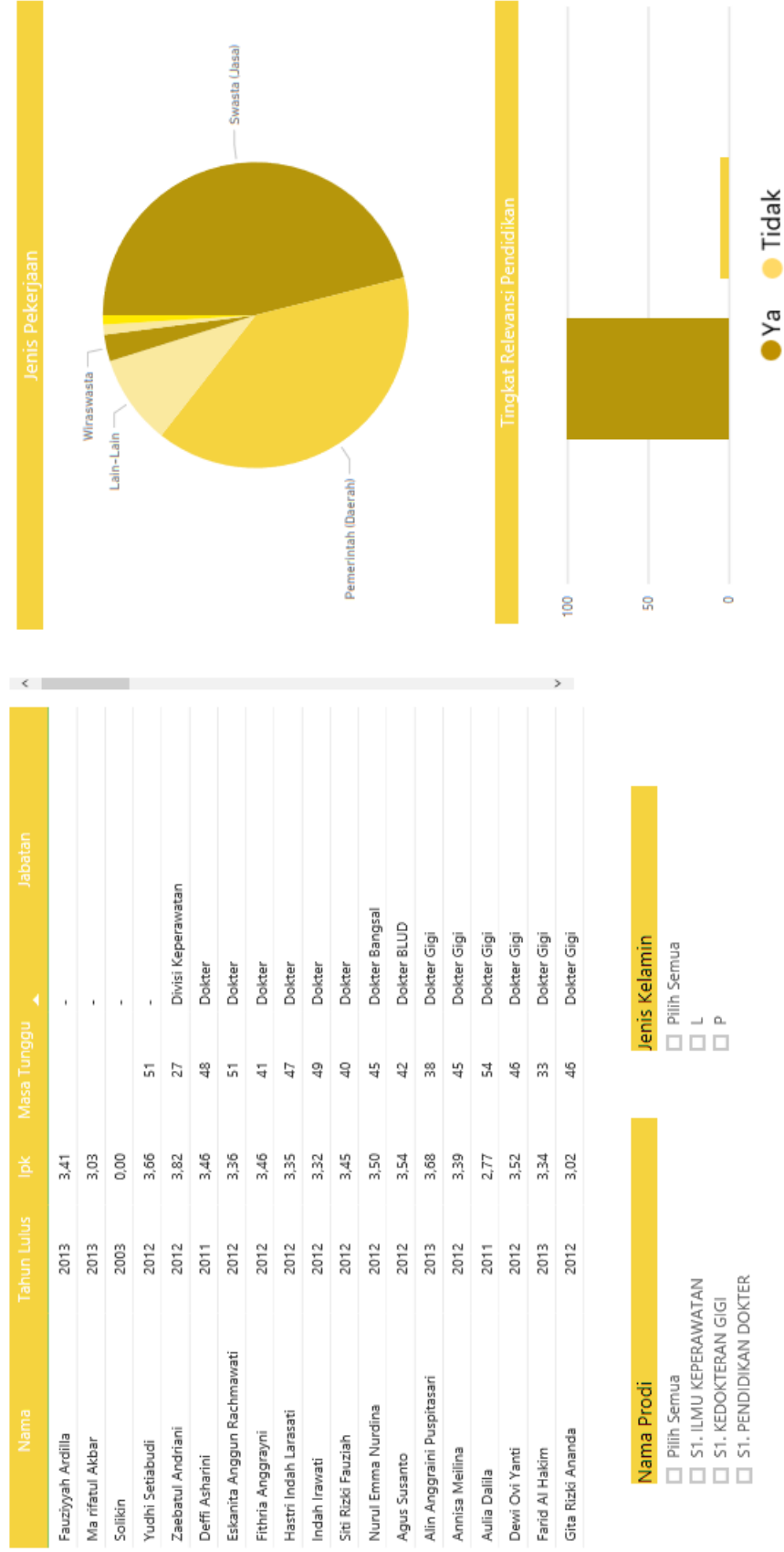
f. Data Alumni Fakultas Hukum UMY berdasarkan Gaji yang diterima

Data Alumni Fakultas Hukum UMY berdasarkan Gaji yang di terima



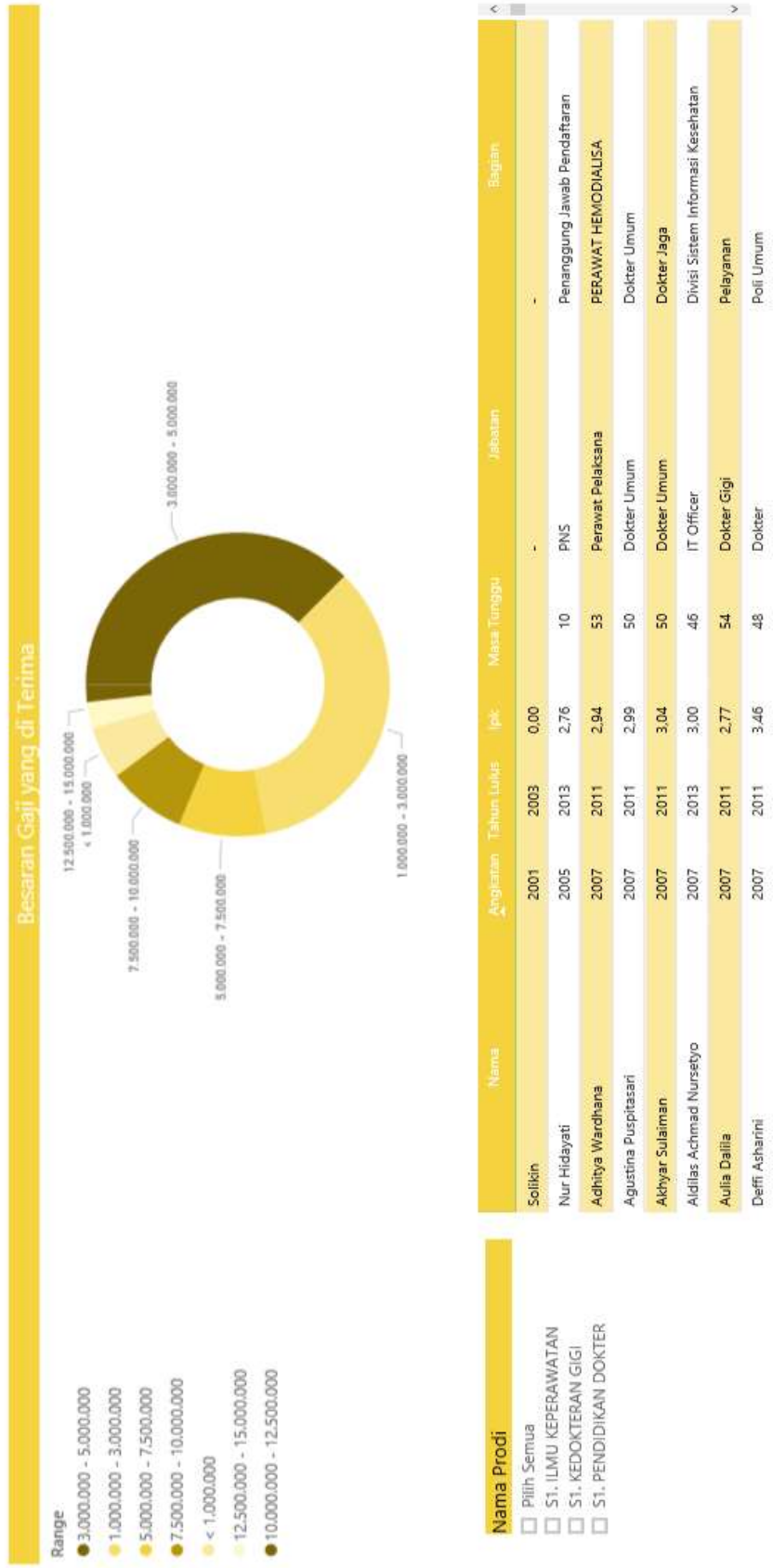
g. Data Alumni Fakultas Kedokteran UMY berdasarkan jenis pekerjaan dan relevansi pendidikan

Data Alumni Fakultas Kedokteran UMY berdasarkan Jenis pekerjaan dan Relevansi Pendidikan



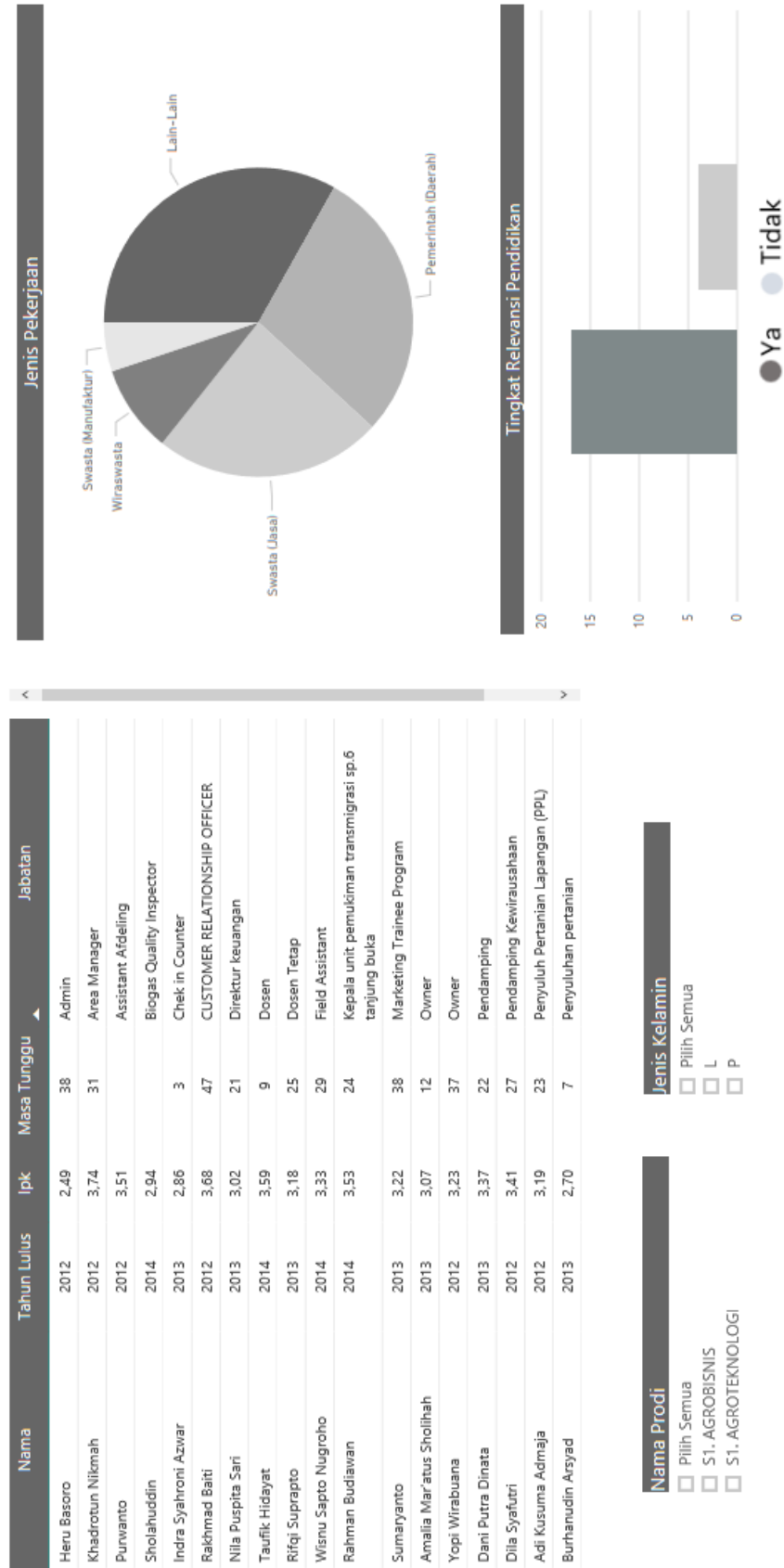
h. Data Alumni Fakultas Kedokteran UMY berdasarkan Gaji yang diterima

Data Alumni Fakultas Kedokteran UMY berdasarkan Gaji yang di terima



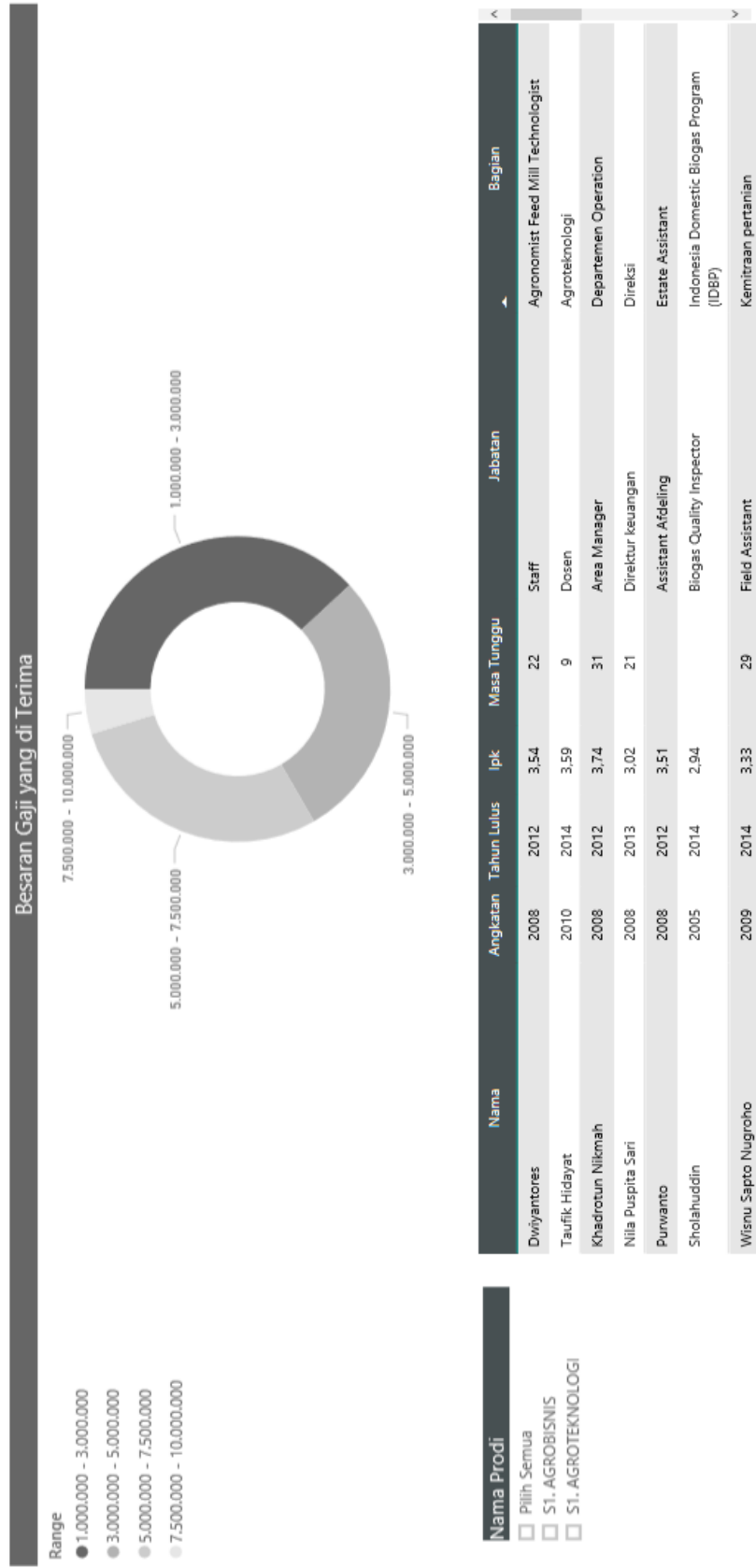
i. Data Alumni Fakultas Pertanian UMY berdasarkan jenis pekerjaan dan relevansi pendidikan

Data Alumni Fakultas Pertanian UMY berdasarkan Jenis pekerjaan dan Relevansi Pendidikan



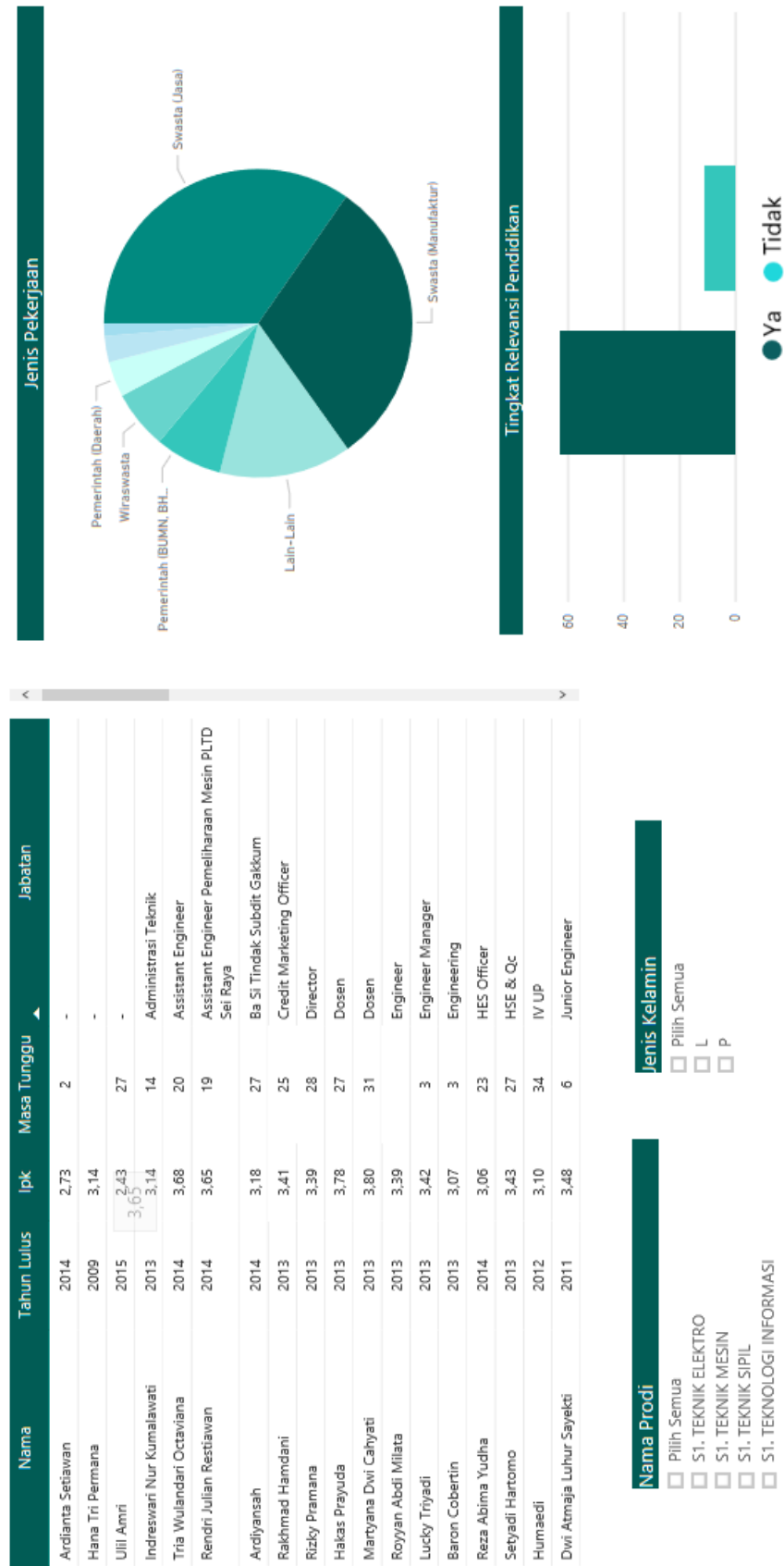
j. Data Alumni Fakultas Pertanian UMY berdasarkan Gaji yang diterima

Data Alumni Fakultas Pertanian UMY berdasarkan Gaji yang di terima



k. Data Alumni Fakultas Teknik UMY berdasarkan jenis pekerjaan dan relevansi pendidikan

Data Alumni Fakultas Teknik UMY berdasarkan Jenis pekerjaan dan Relevansi Pendidikan



1. Data Alumni Fakultas Teknik UMY berdasarkan Gaji yang di terima

Data Alumni Fakultas Teknik UMY berdasarkan Gaji yang di terima

