

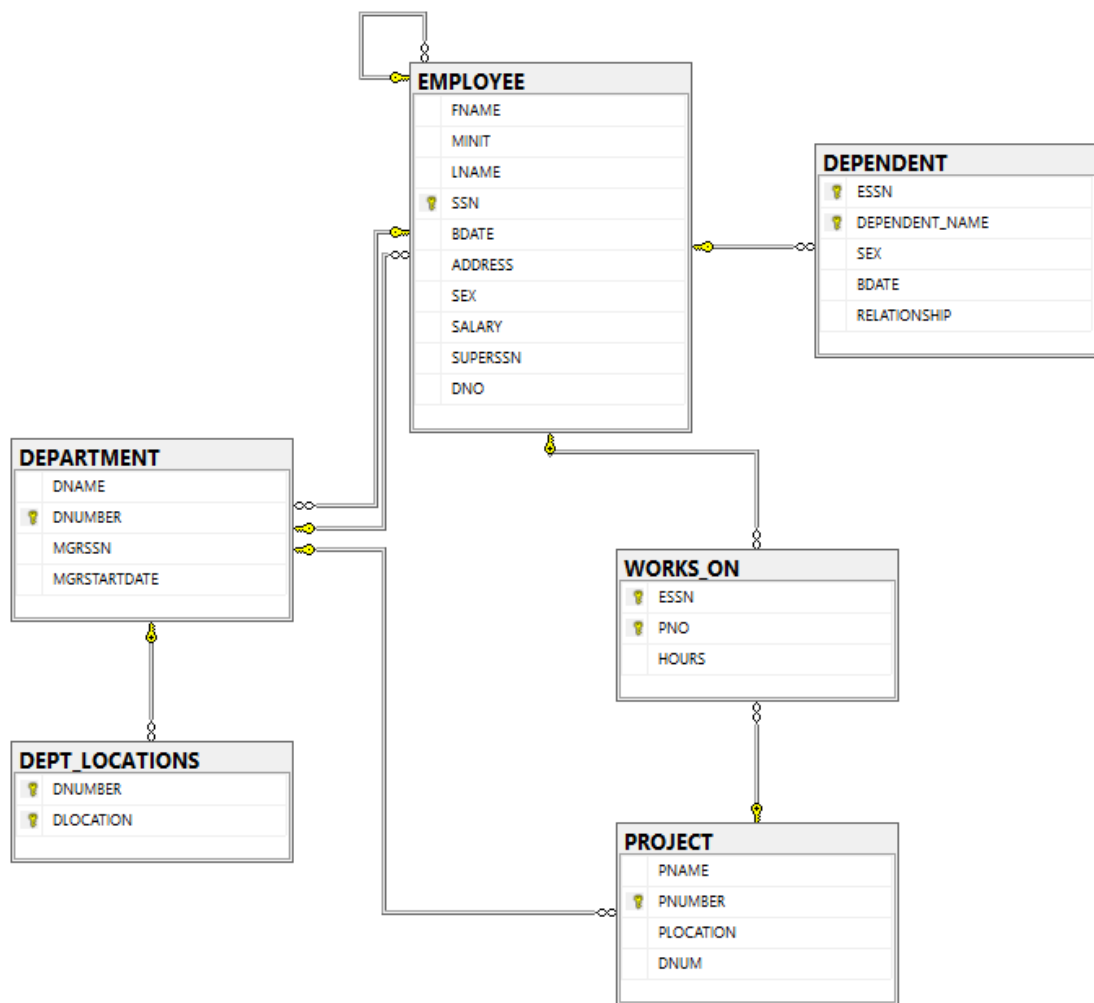
**LAPORAN PRAKTIKUM
BASIS DATA**



**DISUSUN OLEH
ILHAM NUR ROMDONI M0520038**

**PROGRAM INFORMATIKA
FAKULTAS MIPA
UNIVERSITAS SEBELAS MARET
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Diagram



Data per Tabel (show top 1000)

EMPLOYEE

	FNAME	MINIT	LNAME	SSN	BDATE	ADDRESS	SEX	SALARY	SUPERSSN	DNO
1	Cahaya	Citra	Anisa	2991	1983-10-10	Surakarta	F	3000000	1760	1
2	Setiawan	Putri	Rahman	9521	1985-08-24	Sragen	F	3250000	NULL	1
3	Buana	Mega	Fatimah	1546	1988-09-14	Boyolali	F	2750000	9521	2
4	Agus	Ilham	Ahmad	1760	1986-12-21	Sukoharjo	M	3125000	NULL	2
5	Hasan	Jusuf	Akbar	9936	1980-05-18	Karanganyar	M	2850000	1760	1

DEPARTMENT

	DNAME	DNUMBER	MGRSSN	MGRSTARTDATE
1	Produksi	1	9521	2019-01-01
2	Pemasaran	2	1760	2019-07-01

DEPT_LOCATIONS

	DNUMBER	DLOCATION
1	1	Karanganyar
2	2	Surakarta

PROJECT

	PNAME	PNUMBER	PLOCATION	DNUM
1	Produksi Tahu	11	Papahan	1
2	Produksi Tempe	12	Jaten	1
3	Iklan Baliho	21	Jebres	2

WORKS_ON

	ESSN	PNO	HOURS
1	2991	21	30
2	9521	11	45
3	1546	12	40
4	1760	21	35
5	9936	21	30

DEPENDENT

	ESSN	DEPENDENT_NAME	SEX	BDATE	RELATIONSHIP
1	9521	Oona Byme	F	1990-12-01	Friend
2	1760	Chaz Sobel	F	1991-07-02	Friend

Kode SQL

```
USE [master]
GO

/***** Object:      Database [COMPANY]          Script Date:
22/10/2021 18:24:43 *****/
CREATE DATABASE [COMPANY]
    CONTAINMENT = NONE
    ON PRIMARY
( NAME = N'COMPANY', FILENAME = N'C:\Program Files\Microsoft
SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\COMPANY.mdf' ,
  SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH = 65536KB )
  LOG ON
( NAME = N'COMPANY_log', FILENAME = N'C:\Program
Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\COMPANY_log.ldf' ,
  SIZE = 8192KB , MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
GO
ALTER DATABASE [COMPANY] SET COMPATIBILITY_LEVEL = 150
GO
IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
```

```
EXEC [COMPANY].[dbo].[sp_fulltext_database] @action =
'enable'
end
GO
ALTER DATABASE [COMPANY] SET ANSI_NULL_DEFAULT OFF
GO
ALTER DATABASE [COMPANY] SET ANSI_NULLS OFF
GO
ALTER DATABASE [COMPANY] SET ANSI_PADDING OFF
GO
ALTER DATABASE [COMPANY] SET ANSI_WARNINGS OFF
GO
ALTER DATABASE [COMPANY] SET ARITHABORT OFF
GO
ALTER DATABASE [COMPANY] SET AUTO_CLOSE OFF
GO
ALTER DATABASE [COMPANY] SET AUTO_SHRINK OFF
GO
ALTER DATABASE [COMPANY] SET AUTO_UPDATE_STATISTICS ON
GO
ALTER DATABASE [COMPANY] SET CURSOR_CLOSE_ON_COMMIT OFF
GO
ALTER DATABASE [COMPANY] SET CURSOR_DEFAULT GLOBAL
GO
ALTER DATABASE [COMPANY] SET CONCAT_NULL_YIELDS_NULL OFF
GO
ALTER DATABASE [COMPANY] SET NUMERIC_ROUNDABORT OFF
GO
ALTER DATABASE [COMPANY] SET QUOTED_IDENTIFIER OFF
GO
ALTER DATABASE [COMPANY] SET RECURSIVE_TRIGGERS OFF
GO
ALTER DATABASE [COMPANY] SET DISABLE_BROKER
GO
```

```
ALTER DATABASE [COMPANY] SET AUTO_UPDATE_STATISTICS_ASYNC
OFF
GO
ALTER DATABASE [COMPANY] SET DATE_CORRELATION_OPTIMIZATION
OFF
GO
ALTER DATABASE [COMPANY] SET TRUSTWORTHY OFF
GO
ALTER DATABASE [COMPANY] SET ALLOW_SNAPSHOT_ISOLATION OFF
GO
ALTER DATABASE [COMPANY] SET PARAMETERIZATION SIMPLE
GO
ALTER DATABASE [COMPANY] SET READ_COMMITTED_SNAPSHOT OFF
GO
ALTER DATABASE [COMPANY] SET HONOR_BROKER_PRIORITY OFF
GO
ALTER DATABASE [COMPANY] SET RECOVERY FULL
GO
ALTER DATABASE [COMPANY] SET MULTI_USER
GO
ALTER DATABASE [COMPANY] SET PAGE_VERIFY CHECKSUM
GO
ALTER DATABASE [COMPANY] SET DB_CHAINING OFF
GO
ALTER DATABASE [COMPANY] SET FILESTREAM(
NON_TRANSACTED_ACCESS = OFF )
GO
ALTER DATABASE [COMPANY] SET TARGET_RECOVERY_TIME = 60
SECONDS
GO
ALTER DATABASE [COMPANY] SET DELAYED_DURABILITY = DISABLED
GO
ALTER DATABASE [COMPANY] SET ACCELERATED_DATABASE_RECOVERY
= OFF
```

```

GO
EXEC sys.sp_db_vardecimal_storage_format N'COMPANY', N'ON'
GO
ALTER DATABASE [COMPANY] SET QUERY_STORE = OFF
GO
USE [COMPANY]
GO
/***** Object:  Table [dbo].[DEPARTMENT]      Script Date:
22/10/2021 18:24:43 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[DEPARTMENT] (
    [DNAME] [nvarchar](50) NOT NULL,
    [DNUMBER] [bigint] NOT NULL,
    [MGRSSN] [smallint] NOT NULL,
    [MGRSTARTDATE] [date] NOT NULL,
    CONSTRAINT [PK_DEPARTMENT_1] PRIMARY KEY CLUSTERED
(
    [DNUMBER] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object:  Table [dbo].[DEPENDENT]      Script Date:
22/10/2021 18:24:43 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[DEPENDENT] (
    [ESSN] [smallint] NOT NULL,

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        [DEPENDENT_NAME] [nvarchar](50) NOT NULL,
        [SEX] [char](1) NOT NULL,
        [BDATE] [date] NOT NULL,
        [RELATIONSHIP] [nvarchar](50) NOT NULL,
    CONSTRAINT [PK_DEPENDENT_1] PRIMARY KEY CLUSTERED
(
        [ESSN] ASC,
        [DEPENDENT_NAME] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

/***** Object: Table [dbo].[DEPT_LOCATIONS]    Script Date:
22/10/2021 18:24:43 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[DEPT_LOCATIONS](
        [DNUMBER] [bigint] NOT NULL,
        [DLOCATION] [nvarchar](50) NOT NULL,
    CONSTRAINT [PK_DEPT_LOCATIONS] PRIMARY KEY CLUSTERED
(
        [DNUMBER] ASC,
        [DLOCATION] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

/***** Object: Table [dbo].[EMPLOYEE]          Script Date:
22/10/2021 18:24:43 *****/
SET ANSI_NULLS ON

```

```

GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[EMPLOYEE] (
    [FNAME] [nvarchar](50) NOT NULL,
    [MINIT] [nvarchar](50) NOT NULL,
    [LNAME] [nvarchar](50) NOT NULL,
    [SSN] [smallint] NOT NULL,
    [BDATE] [date] NOT NULL,
    [ADDRESS] [text] NOT NULL,
    [SEX] [char](1) NOT NULL,
    [SALARY] [int] NOT NULL,
    [SUPERSSN] [smallint] NULL,
    [DNO] [bigint] NOT NULL,
    CONSTRAINT [PK_EMPLOYEE] PRIMARY KEY CLUSTERED
(
    [SSN] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
/***** Object: Table [dbo].[PROJECT] Script Date:
22/10/2021 18:24:43 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[PROJECT] (
    [PNAME] [nvarchar](50) NOT NULL,
    [PNUMBER] [bigint] NOT NULL,
    [PLOCATION] [nvarchar](50) NOT NULL,
    [DNUM] [bigint] NOT NULL,
    CONSTRAINT [PK_PROJECT_1] PRIMARY KEY CLUSTERED

```



```

(
    [PNUMBER] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

/***** Object: Table [dbo].[WORKS_ON] Script Date:
22/10/2021 18:24:43 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[WORKS_ON] (
    [ESSN] [smallint] NOT NULL,
    [PNO] [bigint] NOT NULL,
    [HOURS] [smallint] NOT NULL,
    CONSTRAINT [PK_WORKS_ON] PRIMARY KEY CLUSTERED
(
    [ESSN] ASC,
    [PNO] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[DEPARTMENT] WITH CHECK ADD CONSTRAINT
[FK_EMPLOYEE_DEPARTMENT] FOREIGN KEY ([MGRSSN])
REFERENCES [dbo].[EMPLOYEE] ([SSN])
GO
ALTER TABLE [dbo].[DEPARTMENT] CHECK CONSTRAINT
[FK_EMPLOYEE_DEPARTMENT]
GO

```

```

ALTER TABLE [dbo].[DEPENDENT] WITH CHECK ADD CONSTRAINT
[FK_EMPLOYEE_DEPENDENT] FOREIGN KEY([ESSN])
REFERENCES [dbo].[EMPLOYEE] ([SSN])
GO
ALTER TABLE [dbo].[DEPENDENT] CHECK CONSTRAINT
[FK_EMPLOYEE_DEPENDENT]
GO
ALTER TABLE [dbo].[DEPT_LOCATIONS] WITH CHECK ADD
CONSTRAINT [FK_DEPARTMENT_DEPT_LOCATIONS] FOREIGN
KEY([DNUMBER])
REFERENCES [dbo].[DEPARTMENT] ([DNUMBER])
GO
ALTER TABLE [dbo].[DEPT_LOCATIONS] CHECK CONSTRAINT
[FK_DEPARTMENT_DEPT_LOCATIONS]
GO
ALTER TABLE [dbo].[EMPLOYEE] WITH CHECK ADD CONSTRAINT
[FK_DEPARTMENT_EMPLOYEE] FOREIGN KEY([DNO])
REFERENCES [dbo].[DEPARTMENT] ([DNUMBER])
GO
ALTER TABLE [dbo].[EMPLOYEE] CHECK CONSTRAINT
[FK_DEPARTMENT_EMPLOYEE]
GO
ALTER TABLE [dbo].[EMPLOYEE] WITH CHECK ADD CONSTRAINT
[FK_EMPLOYEE_EMPLOYEE] FOREIGN KEY([SUPERSSN])
REFERENCES [dbo].[EMPLOYEE] ([SSN])
GO
ALTER TABLE [dbo].[EMPLOYEE] CHECK CONSTRAINT
[FK_EMPLOYEE_EMPLOYEE]
GO
ALTER TABLE [dbo].[PROJECT] WITH CHECK ADD CONSTRAINT
[FK_DEPARTMENT_PROJECT] FOREIGN KEY([DNUM])
REFERENCES [dbo].[DEPARTMENT] ([DNUMBER])
GO

```

```

ALTER      TABLE      [dbo].[PROJECT]      CHECK      CONSTRAINT
[FK_DEPARTMENT_PROJECT]
GO
ALTER TABLE [dbo].[WORKS_ON]      WITH CHECK ADD      CONSTRAINT
[FK_EMPLOYEE_WORKS_ON] FOREIGN KEY([ESSN])
REFERENCES [dbo].[EMPLOYEE] ([SSN])
GO
ALTER      TABLE      [dbo].[WORKS_ON]      CHECK      CONSTRAINT
[FK_EMPLOYEE_WORKS_ON]
GO
ALTER TABLE [dbo].[WORKS_ON]      WITH CHECK ADD      CONSTRAINT
[FK_PROJECT_WORKS_ON] FOREIGN KEY([PNO])
REFERENCES [dbo].[PROJECT] ([PNUMBER])
GO
ALTER      TABLE      [dbo].[WORKS_ON]      CHECK      CONSTRAINT
[FK_PROJECT_WORKS_ON]
GO
USE [master]
GO
ALTER DATABASE [COMPANY] SET READ_WRITE
GO

```