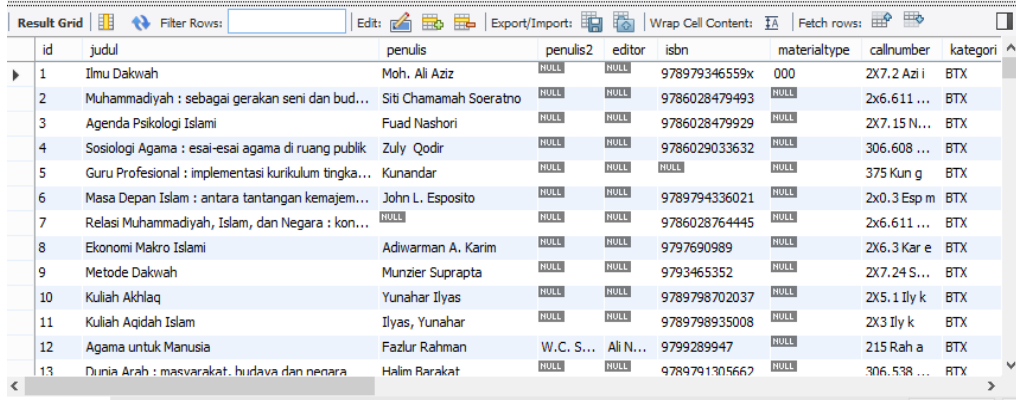


LAMPIRAN

1. Tabel Bibliografi pada MySQL



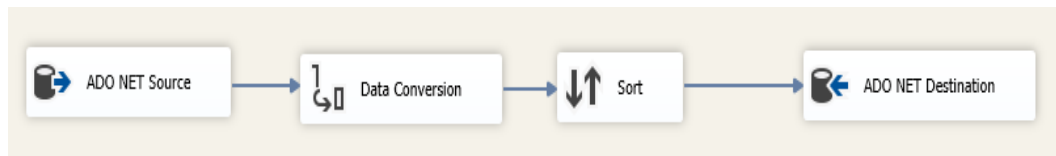
id	judul	penulis	penulis2	editor	isbn	materialtype	callnumber	kategori
1	Ilmu Dakwah	Moh. Ali Aziz	NULL	NULL	978979346559x	000	2X7.2 Azi i	BTX
2	Muhammadiyah : sebagai gerakan seni dan bud...	Siti Chamamah Soeratno	NULL	NULL	9786028479493	NULL	2x6.611 ...	BTX
3	Agenda Psikologi Islami	Fuad Nashori	NULL	NULL	9786028479929	NULL	2X7.15 N...	BTX
4	Sosiologi Agama : esai-esai agama di ruang publik	Zuly Qodir	NULL	NULL	9786029033632	NULL	306.608 ...	BTX
5	Guru Profesional : implementasi kurikulum tingka...	Kunandar	NULL	NULL	NULL	NULL	375 Kun g	BTX
6	Masa Depan Islam : antara tantangan kemajem...	John L. Esposito	NULL	NULL	9789794336021	NULL	2x0.3 Esp m	BTX
7	Relasi Muhammadiyah, Islam, dan Negara : kon...	NULL	NULL	NULL	9786028764445	NULL	2x6.611 ...	BTX
8	Ekonomi Makro Islami	Adiwarman A. Karim	NULL	NULL	9797690989	NULL	2x6.3 Kar e	BTX
9	Metode Dakwah	Munzier Suprpta	NULL	NULL	9793465352	NULL	2X7.24 S...	BTX
10	Kuliah Akhlaq	Yunahar Ilyas	NULL	NULL	9789798702037	NULL	2X5.1 Ily k	BTX
11	Kuliah Aqidah Islam	Ilyas, Yunahar	NULL	NULL	9789798935008	NULL	2X3 Ily k	BTX
12	Agama untuk Manusia	Fazlur Rahman	W.C. S...	Ali N...	9799289947	NULL	215 Rah a	BTX
13	Dunia Arah : masyarakat, hudava dan negara	Halim Barakat	NULL	NULL	9789791305662	NULL	306.538 ...	BTX

2. Proses ETL

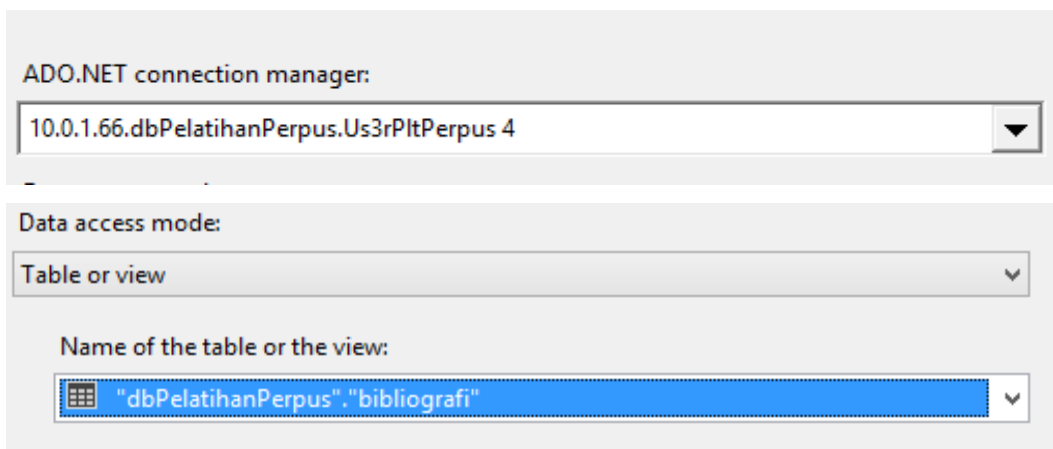
a. Control Flow Tabel Bibliografi



b. Data Flow



c. ADO. Net Source Connection



ADO.NET connection manager:

10.0.1.66.dbPelatihanPerpus.Us3rPltPerpus 4

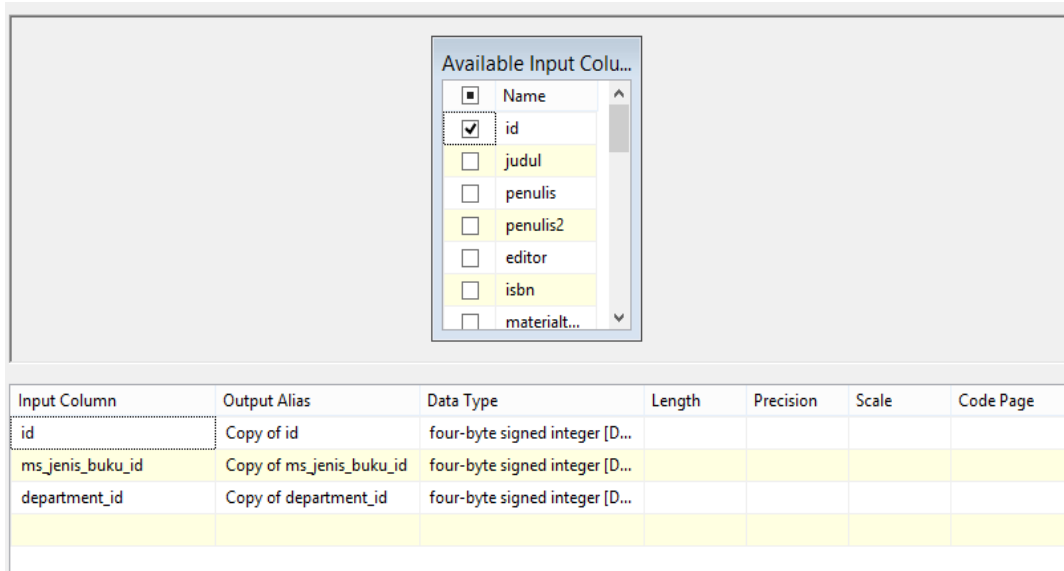
Data access mode:

Table or view

Name of the table or the view:

"dbPelatihanPerpus"."bibliografi"

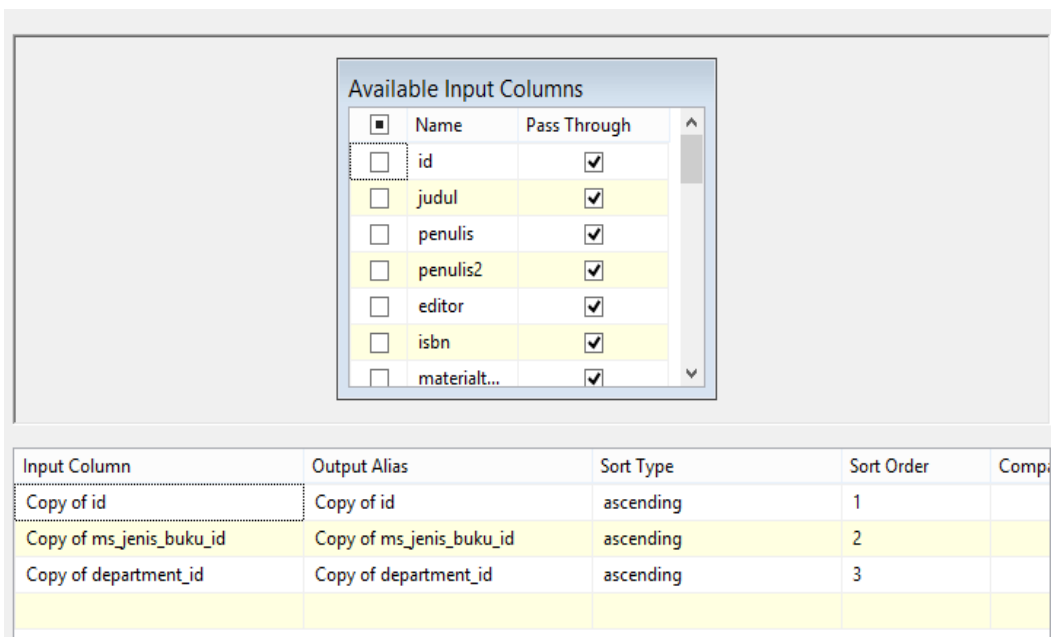
d. Data Conversion



The screenshot shows the 'Available Input Columns' dialog box with the 'id' column selected. Below the dialog is a table configuration for data conversion.

Input Column	Output Alias	Data Type	Length	Precision	Scale	Code Page
id	Copy of id	four-byte signed integer [D...				
ms_jenis_buku_id	Copy of ms_jenis_buku_id	four-byte signed integer [D...				
department_id	Copy of department_id	four-byte signed integer [D...				

e. Sort



The screenshot shows the 'Available Input Columns' dialog box with the 'Pass Through' column checked for all input columns. Below the dialog is a table configuration for sorting.

Input Column	Output Alias	Sort Type	Sort Order	Comp
Copy of id	Copy of id	ascending	1	
Copy of ms_jenis_buku_id	Copy of ms_jenis_buku_id	ascending	2	
Copy of department_id	Copy of department_id	ascending	3	

f. ADO. NET *Destination*

Connection manager:
 RUMAHKITA.DbPelatihanPerpus.sa New...

Use a table or view:
 "dbo"."bibliografi" New...

Connection Manager
 Mappings
 Error Output

Available In...

Name
id
judul
penulis
penulis2
editor
isbn
materialtype
callnumber
kateoori

Available D...

Name
bibliografiid
judulid
judul
penulis
penulis2
editor
isbn
materialtype
callnumber

Input Column	Destination Column
<ignore>	bibliografiid
<ignore>	judulid
judul	judul
penulis	penulis
penulis2	penulis2
editor	editor
isbn	isbn
materialtype	materialtype
callnumber	callnumber
kategori	kategori

4. *Query* untuk memeriksa apakah *semantic search* sudah terinstal

```
select SERVERPROPERTY('IsFullTextInstalled')
```

5. *Query* Register the *semantic language statistics database*

```
exec sp_fulltext_semantic_register_language_statistics_db @dbname =
N'semanticsdb';
```

6. *Query* kolom yang akan di buat *semantic*

```
CREATE FULLTEXT INDEX ON bibliografi
(judul
  Language 1033
  Statistical_Semantics,
  penulis
  Language 1033
  Statistical_Semantics,
  subject
  Language 1033
  Statistical_Semantics,
  penerbit
  Language 1033
  Statistical_Semantics,
  summary
  Language 1033
  Statistical_Semantics
)
KEY INDEX ui_bibliografi
GO
```

7. Query Stored Procedures CariBuku

```
GO

ALTER procedure [dbo].[CariBuku] ( @prase varchar (50))

as

(

SELECT judulid,judul,penulis, penulis2, penerbit,tempat, tahun,edisi, subject,

summary, Key_Buku.score

FROM bibliografi AS semantic_bibliografi

    JOIN SEMANTICKEYPHRASETABLE

    (

    bibliografi,

    (judul,

        penulis,

        penerbit,

        subject,

        summary)

    ) AS Key_Buku

ON bibliografiid = Key_Buku.document_key

WHERE Key_Buku.keyphrase = @prase

)
```

8. *Query Stored KeyphraseDetail*

```
SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

ALTER procedure [dbo].[KeyphraseDetail] ( @prase varchar (10))

as

declare @bibliografiid int

set @bibliografiid = @prase

SELECT KEY_TBL.keyphrase AS bibliografiid, KEY_TBL.score

FROM SEMANTICKEYPHRASETABLE

(

    bibliografi,

    judul,

    @bibliografiid

) AS KEY_TBL

ORDER BY KEY_TBL.score DESC;
```

9. *Query Stored KeyphraseDetail*

```
SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

ALTER procedure [dbo].[SimilarBuku] ( @prase varchar (10))

as

declare @bibliografiid int

set @bibliografiid = @prase

SELECT KEY_TBL.matched_document_key AS bibliografiid, judul,

KEY_TBL.score

FROM SEMANTICSIMILARITYTABLE

(

    bibliografi,

    judul,

    @bibliografiid

) AS KEY_TBL

    inner join bibliografi on bibliografi.bibliografiid =

KEY_TBL.matched_document_key

ORDER BY KEY_TBL.score DESC;
```