

LAMPIRAN

1. Tabel Bibliografi pada MySQL

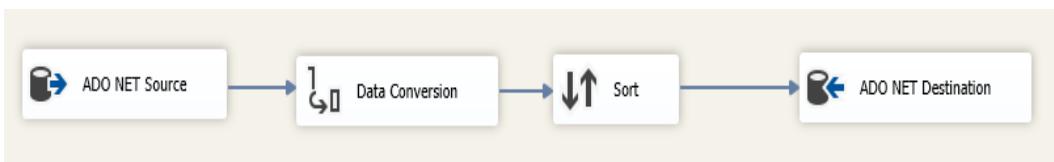
	id	judul	penulis	penulis2	editor	isbn	materialtype	callnumber	kategori
▶	1	Ilmu Dakwah	Moh. Ali Aziz	NULL	NULL	978979346559x	000	2X7.2 Azi i	BTX
	2	Muhammadiyah : sebagai gerakan seni dan bud...	Siti Chamamah Soeratno	NULL	NULL	97860284799493	NULL	2x6.611 ...	BTX
	3	Agenda Psikologi Islami	Fuad Nashori	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	Munzir Suprapta	NULL	NULL	9793465352	NULL	2X7.24 S...	BTX
	10	Kuliah Akhlak	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 : masvarakat, hidaya dan negara	Halim Barakat	NULL	NULL	9789791305662	NULL	306.538 ...	RTX

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.U\$3rPltPerpus 4

Data access mode:

Table or view

Name of the table or the view:

"dbPelatihanPerpus"."bibliografi"

d. 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

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... Available D...

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

The screenshot shows the SSIS Mappings editor interface. At the top, there are sections for 'Connection manager' (set to 'RUMAHKITA.DbPelatihanPerpus.sa') and 'Use a table or view' (set to '"dbo"."bibliografi"'). On the left, a sidebar has tabs for 'Connection Manager', 'Mappings' (which is selected), and 'Error Output'. The main area has two lists labeled 'Available In...' and 'Available D...', each containing a list of column names. Below these lists is a large mapping grid with two columns: 'Input Column' and 'Destination Column'. The 'Input Column' column contains values like '<ignore>', 'judul', 'penulis', etc., and the 'Destination Column' column contains values like 'bibliografiid', 'judulid', 'judul', 'penulis', etc. There are 10 rows in the grid, with the first two being ignore mappings.

3. Tabel Bibliografi pada SQL Server

Results		Messages							
	bibliografiid	judulid	judul	penulis	penulis2	editor	isbn	materialtype	callnumber
1	1	1	Ilmu Dakwah	Moh. Ali Aziz	NULL	NULL	978979346559x	000	2X7.2 Azi i
2	2	2	Muhammadiyah : sebagai gerakan seni dan budaya:s...	Siti Chamamah Soeratno	NULL	NULL	9786028479493	NULL	2x6.611 Soe m
3	3	3	Agenda Psikologi Islami	Fuad Nashori	NULL	NULL	9786028479829	NULL	2X7.15 Nas a
4	4	4	Sosiologi Agama : esai-esai agama di ruang publik	Zuly Qodir	NULL	NULL	9786029033632	NULL	306.608 Qod s
5	5	5	Guru Profesional : implementasi kurikulum tingkat satuan ...	Kunandar	NULL	NULL	NULL	NULL	375 Kun g
6	6	6	Masa Depan Islam : antara tantangan kemajemukan ...	John L. Esposito	NULL	NULL	9789794336021	NULL	2x0.3 Esp m
7	7	7	Relasi Muhammadiyah, Islam, dan Negara : kontribusi ...	NULL	NULL	NULL	9786028764445	NULL	2x6.611 Suw r
8	8	8	Ekonomi Makro Islami	Adiwaman A. Karim	NULL	NULL	9797690989	NULL	2X6.3 Kar e
9	9	9	Metode Dakwah	Munzir Suprapta	NULL	NULL	9793465352	NULL	2X7.24 Sup m
10	10	10	Kuliah Akhlak	Yunahar Ilyas	NULL	NULL	9789798702037	NULL	2X5.1 Ily k

	kategori	penerbit	tempat	tahun	edisi	collation	summary	subject	bahasa	nim_thesis	department_id
1	BTX	Prenada Media Group	Jakarta	2009	NULL	23 cm; 518 pg; xvi	NULL	-dakwah	1	NULL	NULL
2	BTX	Pustaka Pelajar	Yogayakarta	2009	NULL	14 cm x 21 cm ; 277pg ;xxv	NULL	-Muhammadiyah -seni dan budaya	1	NULL	NULL
3	BTX	Pustaka Pelajar	yogyakarta	2010	NULL	14 x 21 cm ; 228 pg ; xvii	NULL	-psikologi -islam	1	NULL	NULL
4	BTX	Pustaka Pelajar	Yogyakarta	2011	NULL	16 x 23 cm ; 258 pg ; xi	NULL	-sosiologi -agama -esai	1	NULL	NULL
5	BTX	Rajawali Press	Jakarta	2010	NULL	14 x 21 cn ; 441 pg ; xix	NULL	-KTSP	1	NULL	NULL
6	BTX	Mizan	Bandung	2010	NULL	16 x 24 cm ; 343 pg	NULL	-Islam dan perkembangan dunia	1	NULL	NULL
7	BTX	Pustaka Pelajar	Yogyakarta	2010	NULL	14 X 21 CM ; 262 pg ; x	NULL	-Muhammadiyah -islam -sejarah	1	NULL	NULL
8	BTX	Rajawali Press	Jakarta	2011	NULL	16x 23 cm ; 328 pg ; xvii	NULL	-ekonomi makro -ekonomi Islam	1	NULL	NULL
9	BTX	Prenada Media Group	Jakarta	2009	NULL	15 x 23 cm ; 358 pg ; xxiii	NULL	-dakwah -metode	1	NULL	NULL
10	BTX	LPPI UMY	Yogyakarta	2012	NULL	16 x 24 cm ; 266 pg ; x	NULL	-akhlik	1	NULL	NULL

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;
```