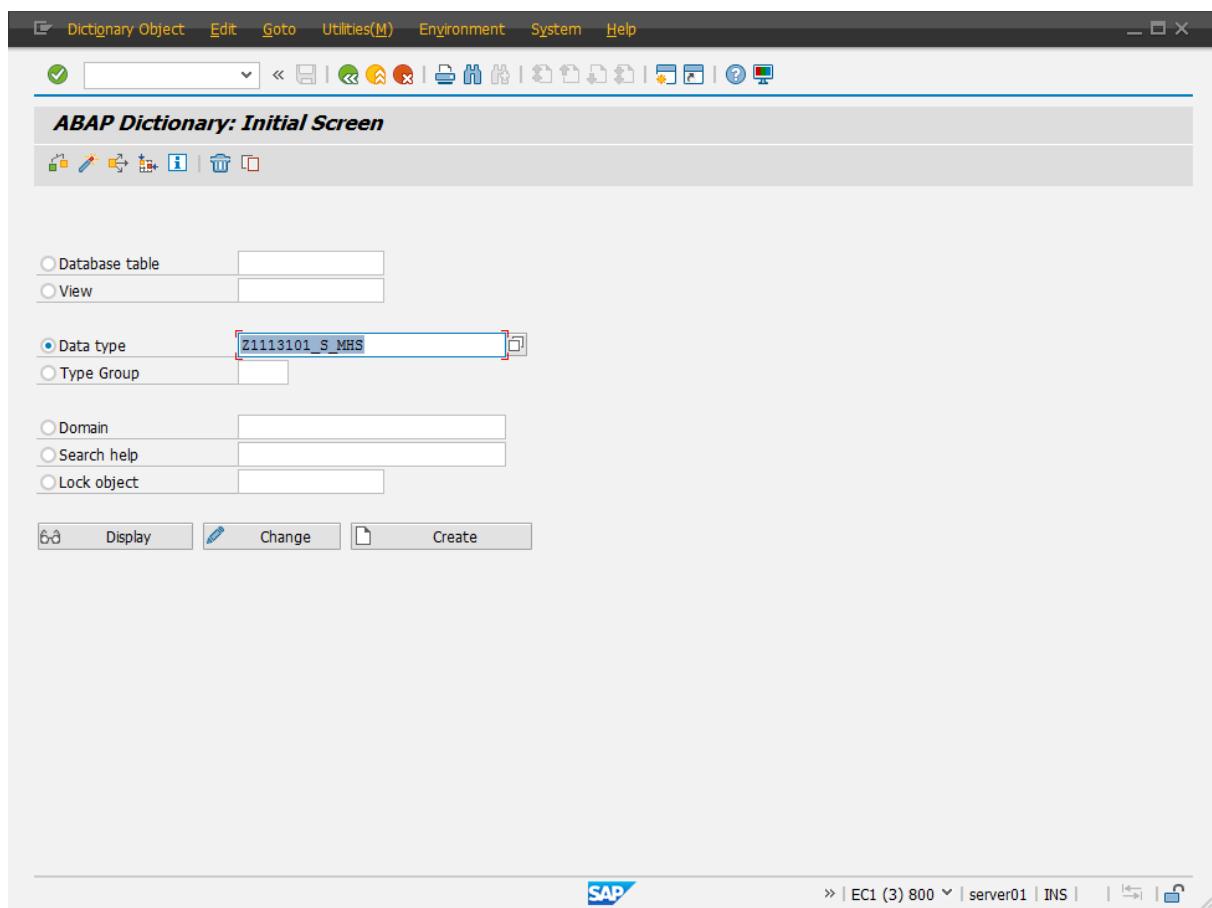


## MEMBUAT SCREEN

1. Buat Program baru dengan nama Z#\_SCREEN\_1.
2. Tambahan kode untuk menampilkan data (basic list) dari tabel mahasiswa dengan menggunakan pendekatan array fetch (menyalin langsung semua data dari table ke dalam internal tabel)
3. Tambahkan screen 100 untuk menampilkan satu item dari basic list.

### SOLUSI

1. Membuat program baru dengan nama Z#\_SCREEN\_1
2. Menambahkan komponen program studi pada struktur mahasiswa.
  - a. Jalankan transaksi SE11.
  - b. Masukkan pada data type stuktur Z11131\_S\_mhs.



- c. Lalu pilih change.
- d. Tambahkan komponen kode program studi.

The screenshot shows the SAP Dictionary: Maintain Structure interface. A structure named Z1113101\_S\_MHS is being created. It contains three fields: NPM (CHAR length 10), NAMA (CHAR length 25), and KODE\_PRODI (CHAR length 20). The structure is currently Inactive (Revised).

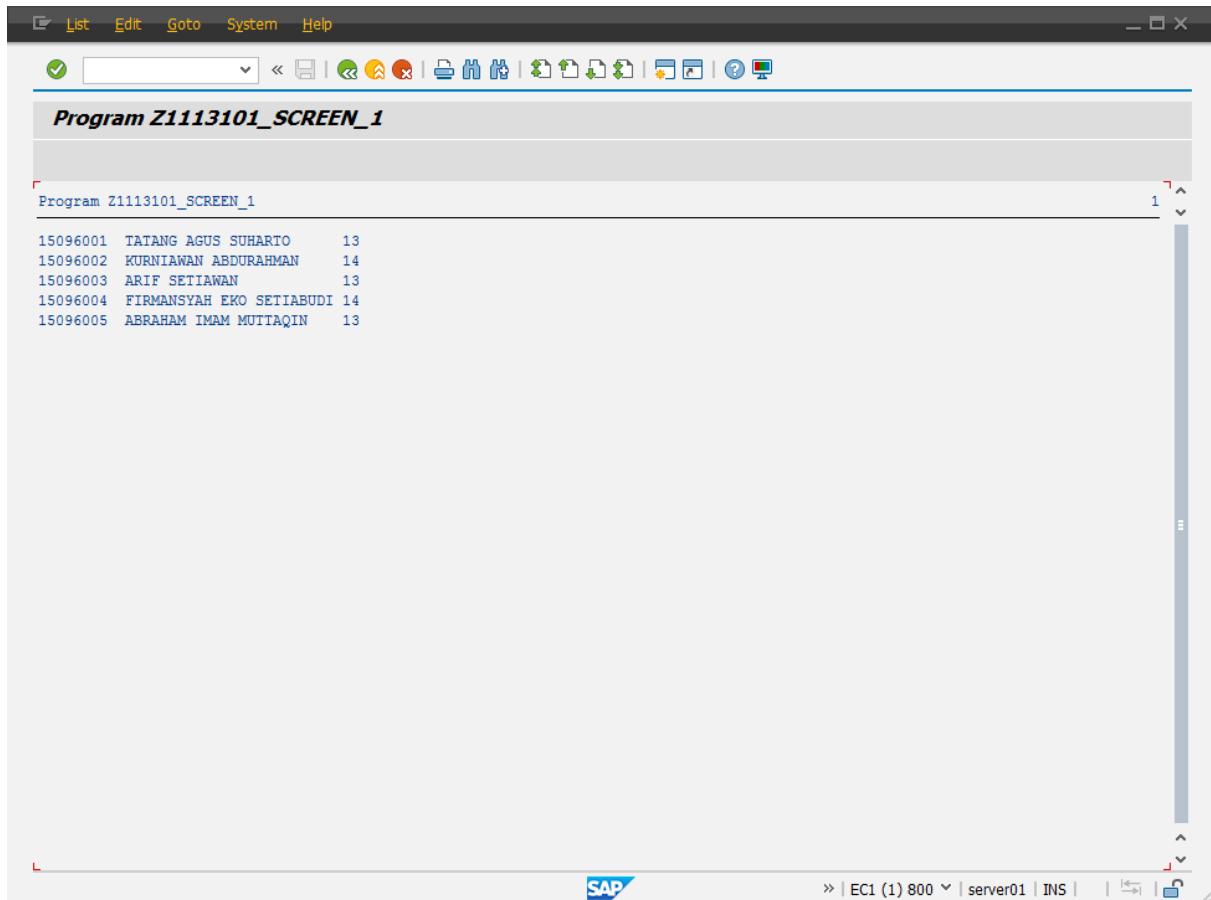
Component	RT...	Component type	Data Type	Length	Deci...	Short Description
NPM		Z1113101_NPM	CHAR	10	0	DATA ELEMENT NPM
NAMA		Z1113101_NAMA	CHAR	25	0	DATA ELEMENT NAMA MAHASISWA
KODE_PRODI		Z1113101_KD_PDI	CHAR	20	0	DATA ELEMENT KODE PROGRAM STUDI

- e. Save lalu aktifkan.
3. Menampilkan data(basic list) dari tabel mahasiswa (Z#\_MHS) dengan menggunakan pendekatan array fetch. Dalam array fetch data dari database di salin seluruh tabel yang terkait ke dalam memori. Dalam pendekatan sebelumnya data dari database disalin baris per baris dari tabel yang terkait.
- a. Contoh source code.

```
*&-----  
*& Report  Z1113101_SCREEN_1  
*&  
*&-----  
*&  
*&  
*&-----  
REPORT  Z1113101_SCREEN_1.  
  
DATA: wa_mhs  TYPE z1113101_s_mhs,  
      itab_mhs TYPE z1113101_t_mhs.  
  
START-OF-SELECTION.  
* Array Fetch
```

```
SELECT * FROM z1113101_mhs  
  INTO TABLE itab_mhs.  
  
loop at itab_mhs INTO wa_mhs.  
  write : / wa_mhs.  
ENDLOOP.
```

b. Jalankan program tersebut.



4. Tambahkan selection screen untuk memilih program studi yang akan ditampilkan

a. Contoh source code.

```
*&-----  
*& Report Z1113101_SCREEN_1  
*&  
*&-----  
*&  
*&  
*&  
*&-----
```

```
PARAMETERS pa_kd(pd TYPE z1113101_kd_pd).

DATA: wa_mhs TYPE z1113101_s_mhs,
      itab_mhs TYPE z1113101_t_mhs.

START-OF-SELECTION.

* Array Fetch

SELECT * FROM z1113101_mhs
  INTO TABLE itab_mhs.

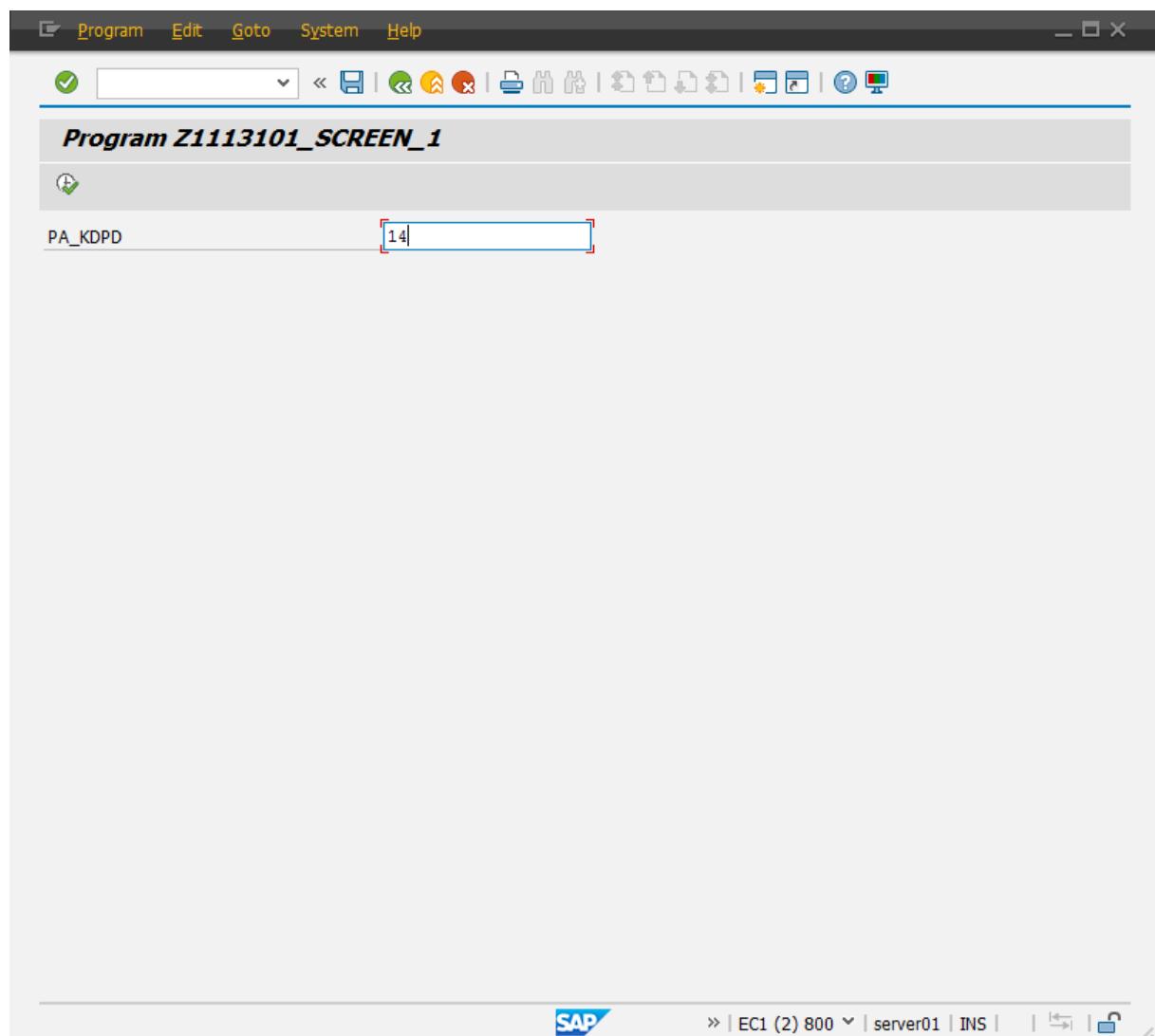
loop at itab_mhs INTO wa_mhs WHERE kode_prodi = pa_kd.
write : / wa_mhs.
ENDLOOP.

if pa_kd(pd) = ''.

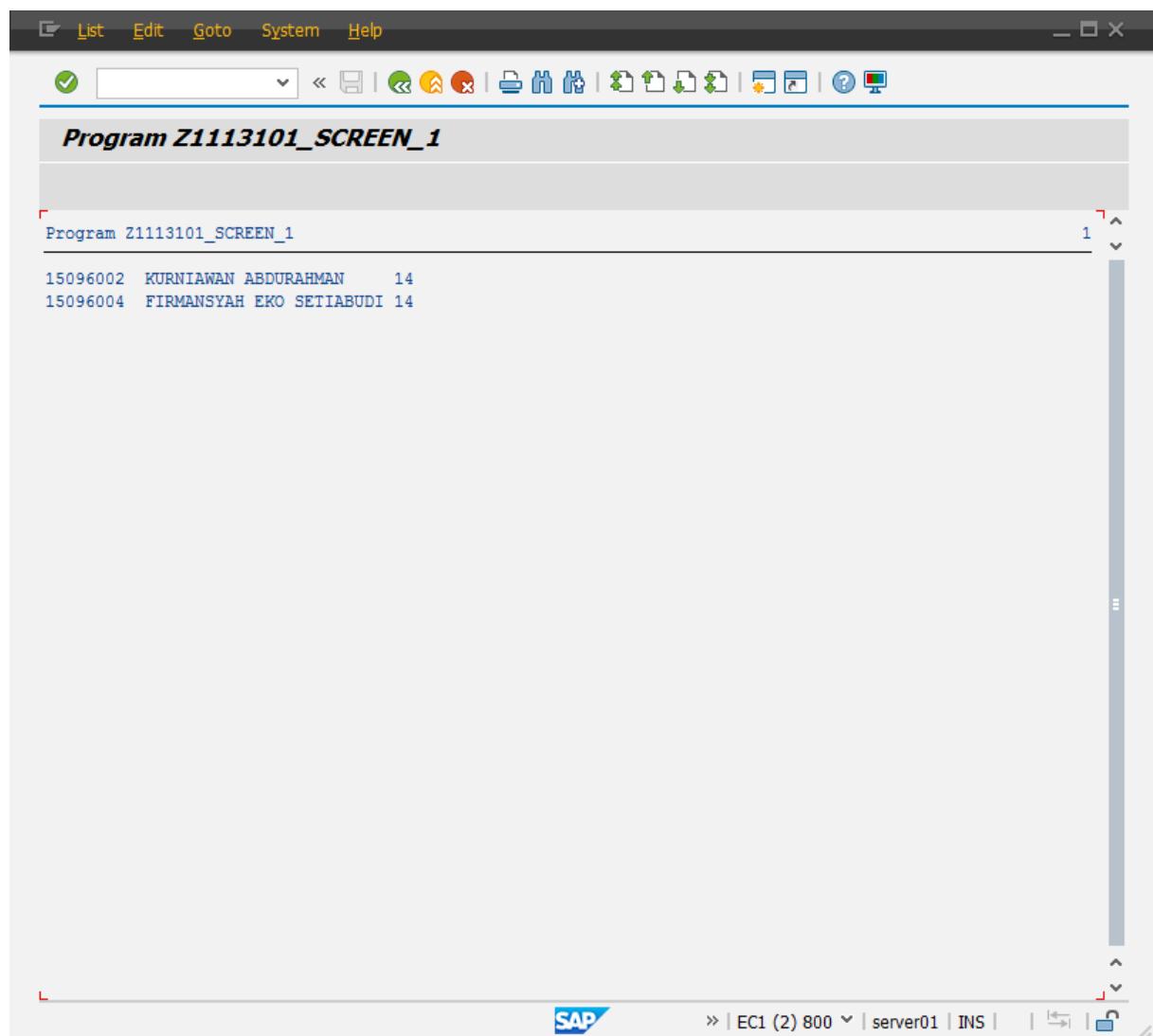
  loop at itab_mhs INTO wa_mhs.
  write : / wa_mhs.
  ENDLOOP.
ENDIF.

if sy-subrc ne 0.
  write : 'Kode Prodi',pa_kd(pd),'tidak ada'.
ENDIF.
```

b. Jalankan program tersebut.

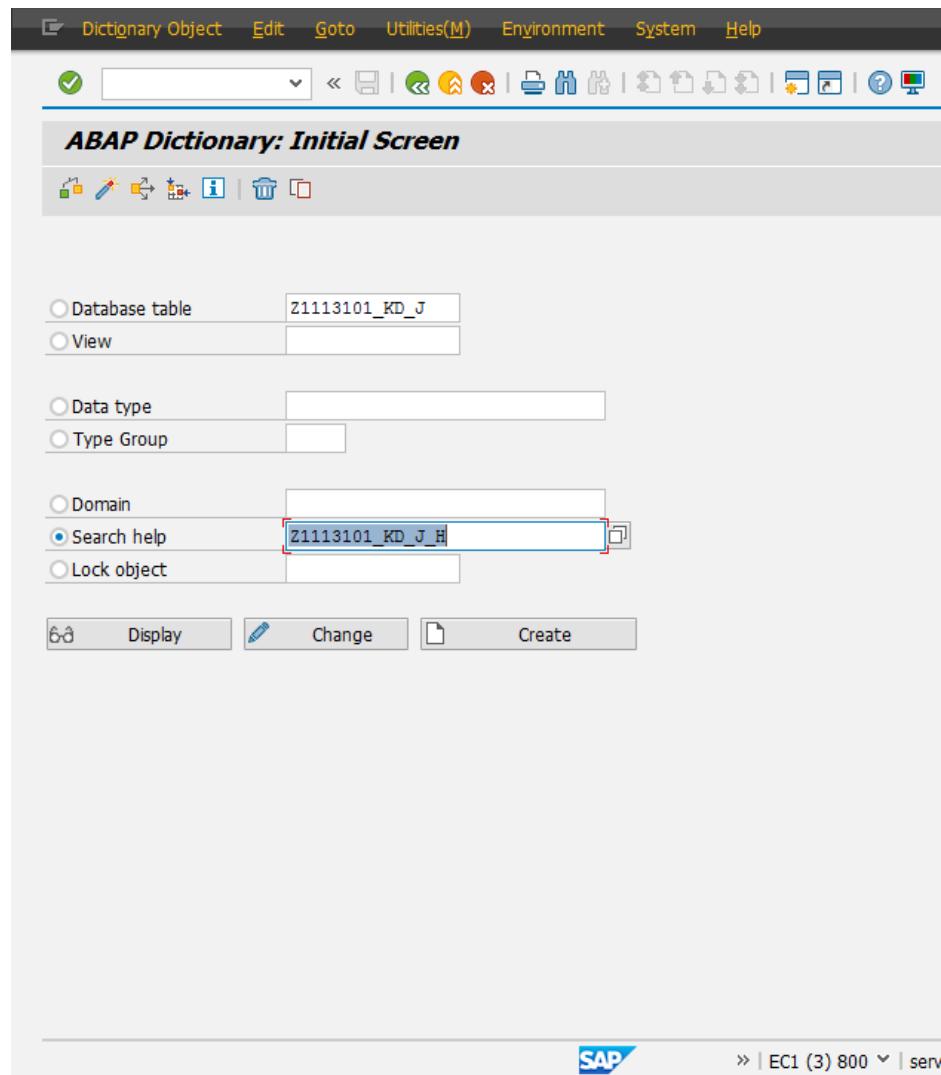


c. Execute.

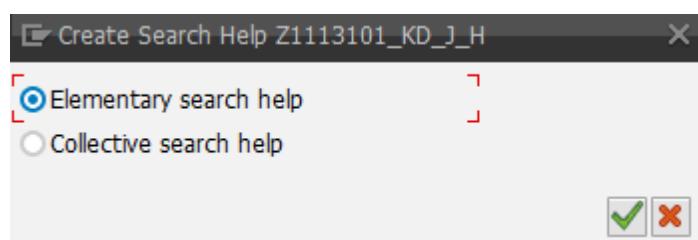


5. Menambahkan F4 Field Help pada parameters input kode jurusan.

- a. Jalankan transaksi SE11
- b. Pada radio button search help isi dengan Z#\_KD\_J\_H.



c. Pilih create.



d. Pilih elementary search help, lalu enter.  
e. Lengkapi dengan nilai-nilai berikut:

The screenshot shows the SAP Dictionary: Maintain Search Help interface. The title bar includes 'Search Help', 'Edit', 'Goto', 'Utilities(M)', 'Environment', 'System', and 'Help'. The main area displays the following details:

- Elementary srch hlp:** z1113101\_KD\_J\_H (Active)
- Short description:** Seach Help Kode Jurusan
- Attributes Tab:** Shows 'Data collection' and 'Dialog behavior' sections. In 'Data collection', 'Selection method' is set to z1113101\_KD\_J and 'Text table' is empty. In 'Dialog behavior', 'Dialog type' is 'Display values immediately' and 'Hot key' is empty.
- Definition Tab:** Shows a table titled 'Parameter' with one row defined:

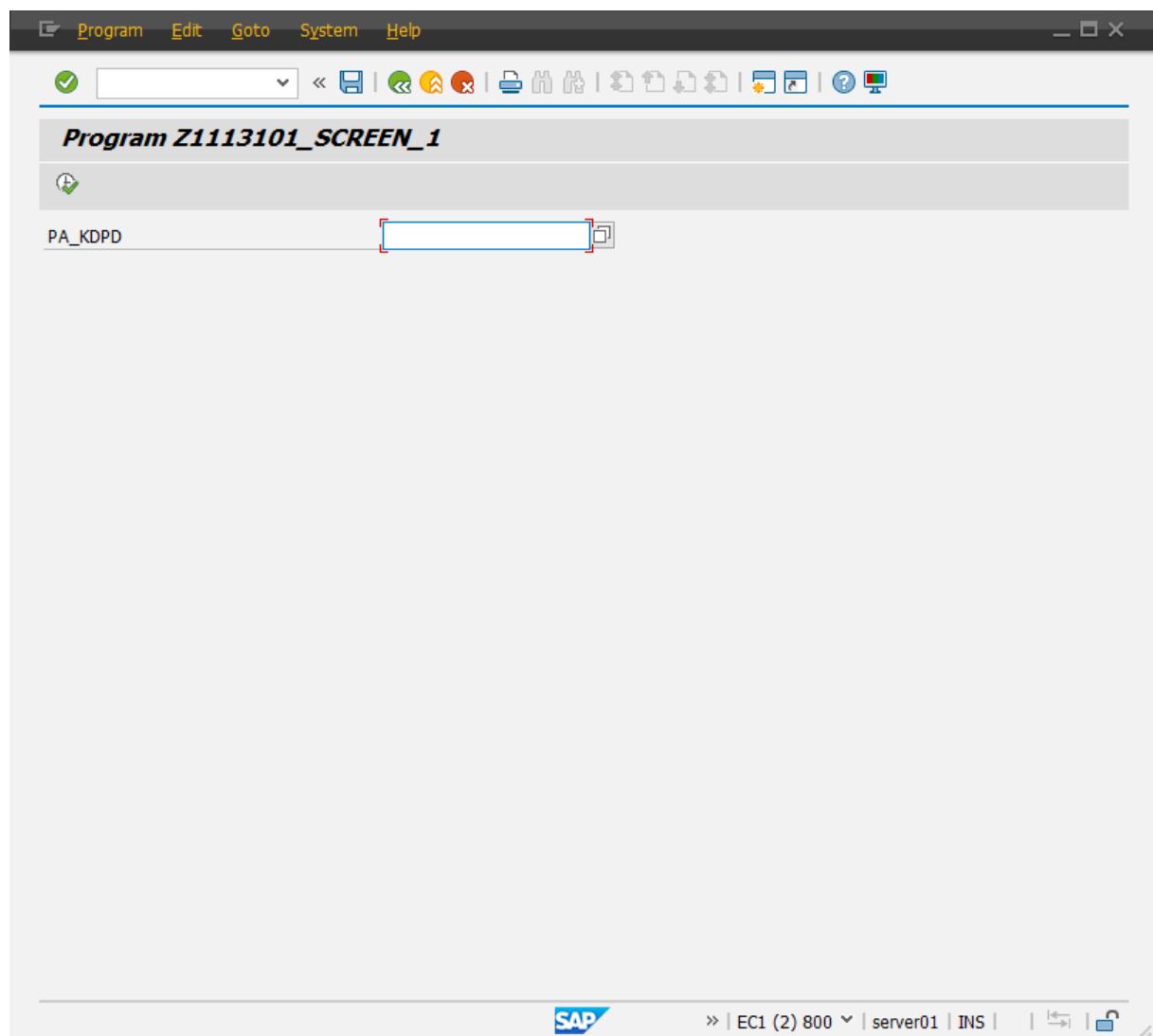
Search help parameter	IMP	EXP	LPos	SPos	SDis	Data element	M...	Default
KODE_PRODI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	<input type="checkbox"/>	z1113101_KD_PD	<input type="checkbox"/>	<input checked="" type="checkbox"/>

At the bottom, status indicators show 'Object(s) activated' and navigation links like 'EC1 (3) 800', 'server01', 'INS', and icons for back, forward, and search.

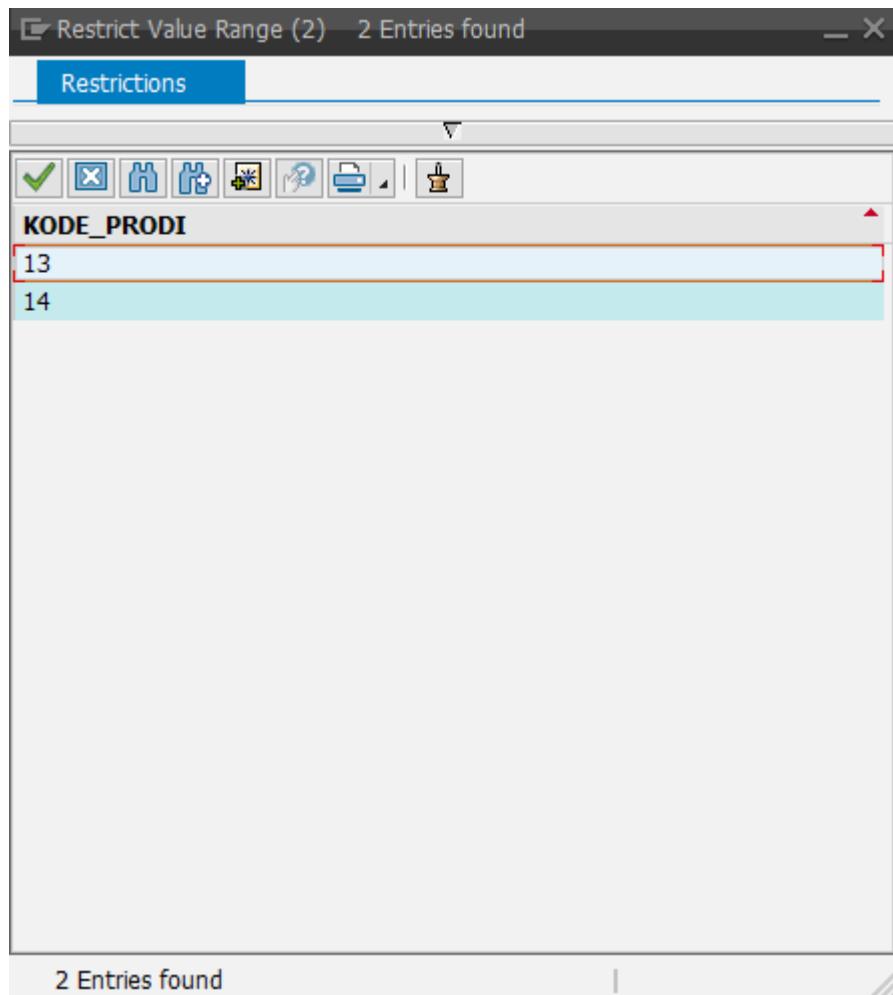
- f. Save lalu active-kan
- g. Tambahkan source code di atas dengan kode berikut:

```
PARAMETERS pa_kd(pd type z1113101_kd_pd MATCHCODE OBJECT z1113101_KD_J_H).
```

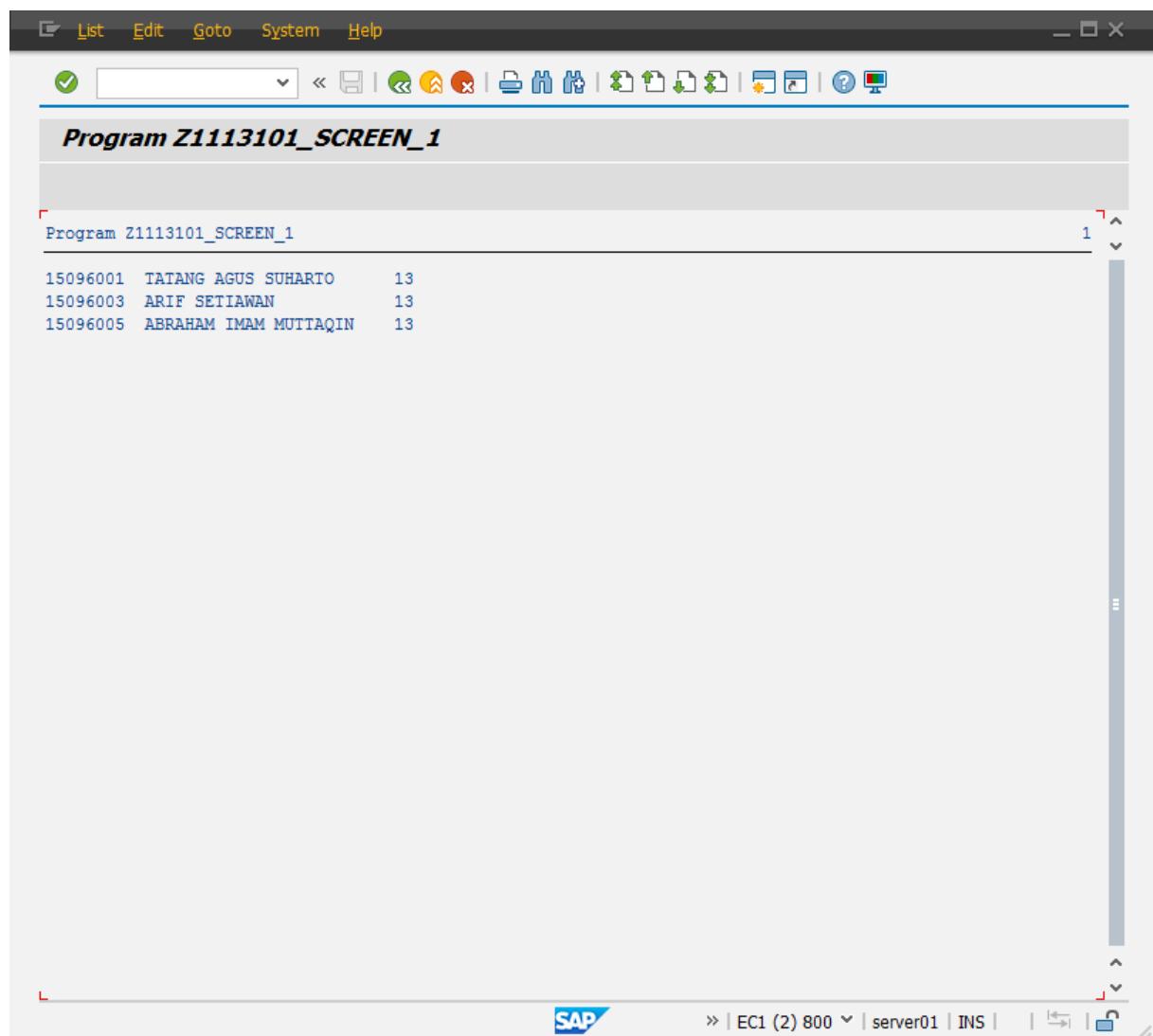
- h. Save lalu active-kan.
- i. Execute.



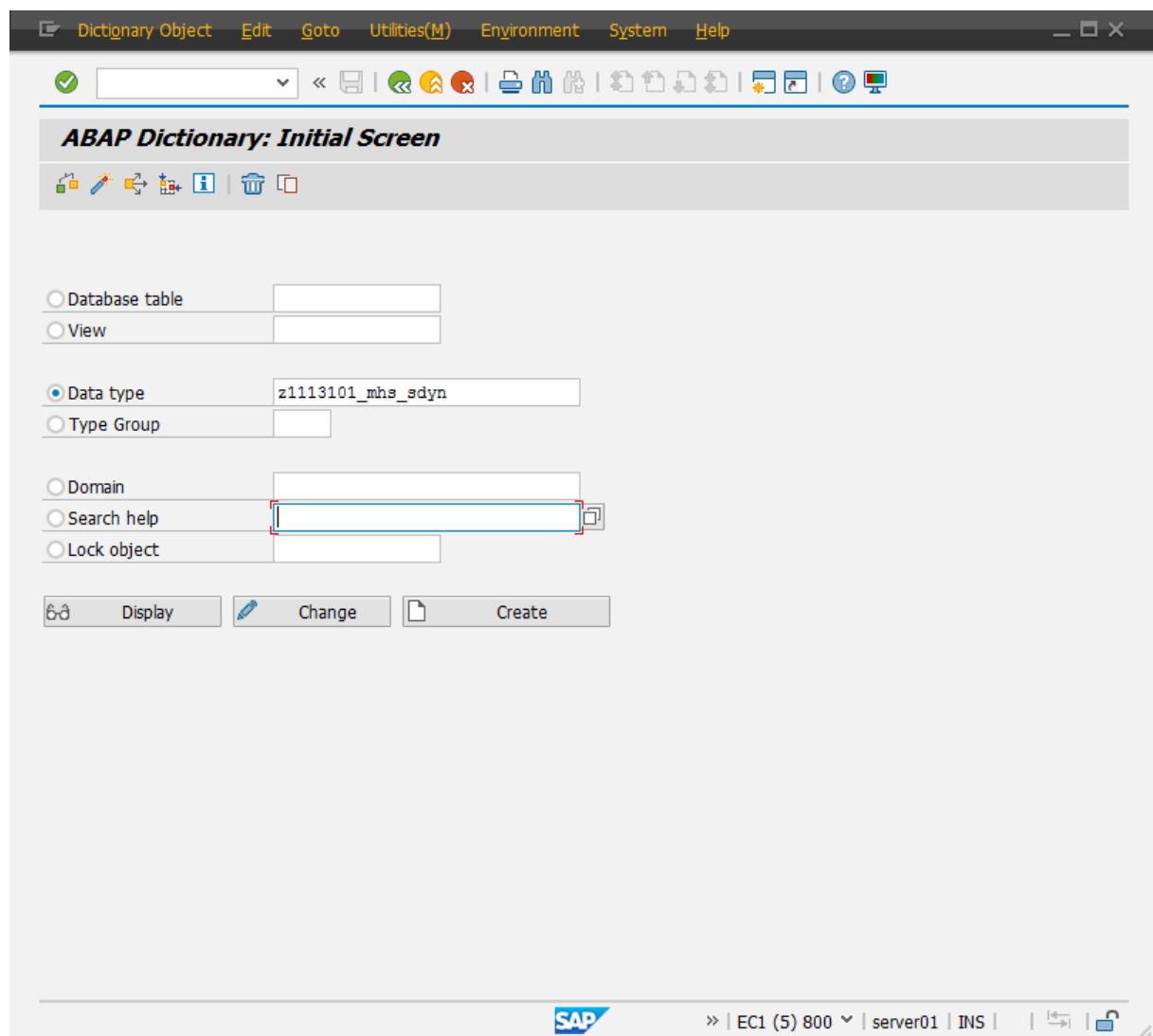
- j. Pilih F4 untuk menampilkan input help



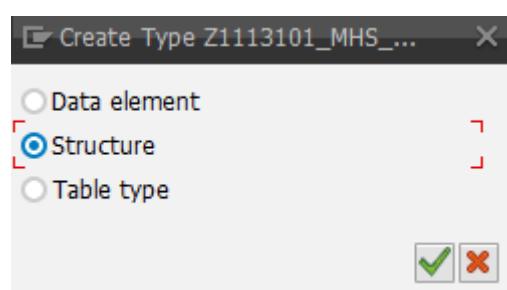
- k. Pilih salah satu nilai.
- l. Execute.



6. Membuat struktur untuk transfer data antar screen.
  - a. Jalankan transaksi SE11
  - b. Pilih data type baru dengan nama Z#\_mhs\_sdyn.



c. Pilih create.



d. Pilih Structure.  
e. Enter.

The screenshot shows the SAP Dictionary: Maintain Structure interface. The structure name is Z1113101\_MHS\_SDYN, and its short description is STRUKTUR UNTUK MENAMPUNG DATA DARI SCREEN MAHASISWA. The table lists components such as NPM, NAMA, and KODE\_PRODI, each with its data type (CHAR) and length (10, 25, 20 respectively). The 'Components' tab is selected.

- f. Lengkapi dengan komponen NPM, Nama, dan Kode Prodi.
- g. pilih menu Extras -> Enhancement Category

The screenshot shows the 'Maintain Enhancement Category for Z1113101\_MHS\_SDYN' dialog box. It displays enhancement categories: Can Be Enhanced (Deep), Can be enhanced (character-type or numeric), Can be enhanced (character-type), Cannot Be Enhanced, and Not classified. The second option is selected. At the bottom right are buttons for Copy, Help, and Close.

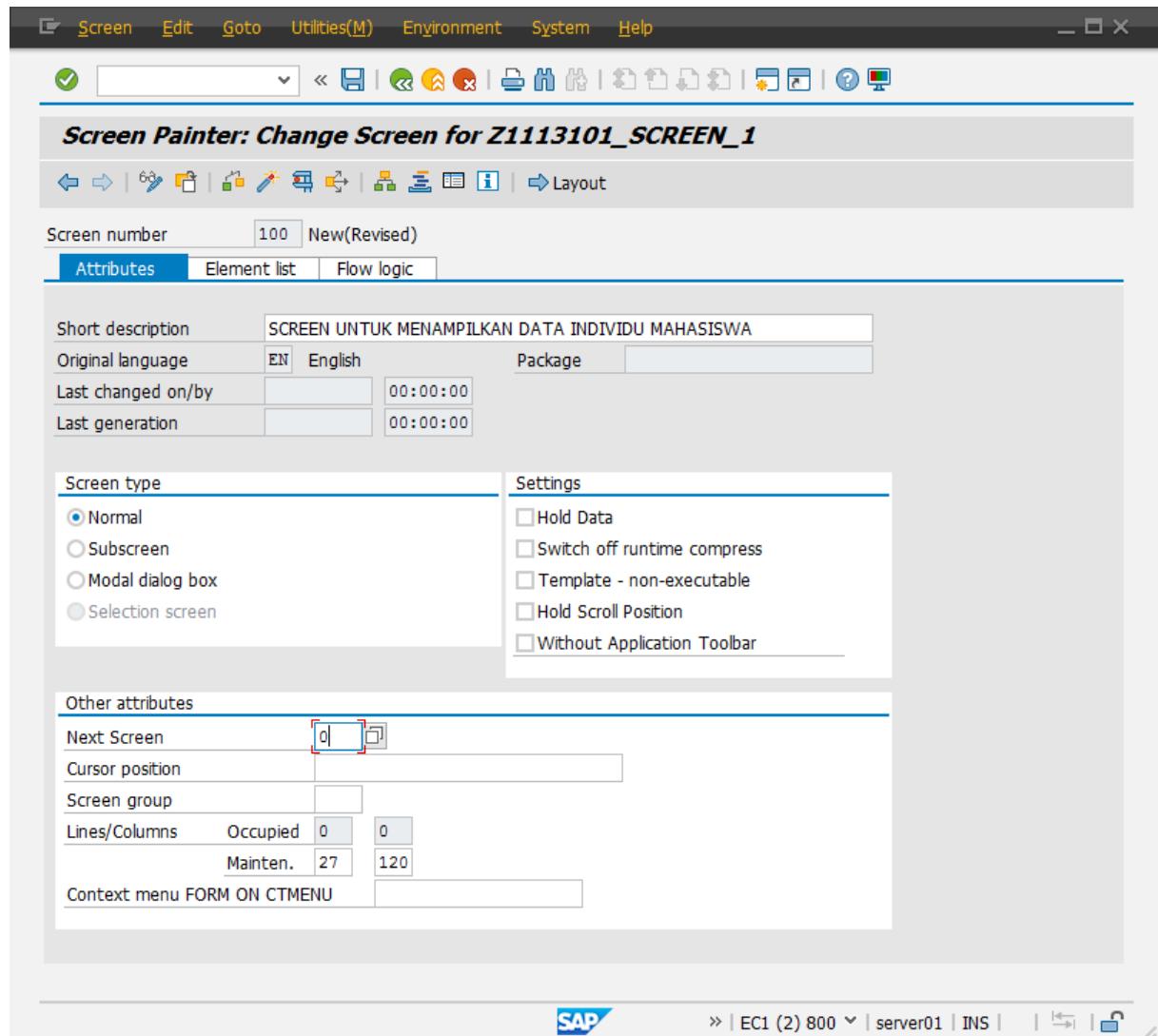
- h. pilih Can be enhanced (character-type).
- i. Save lalu active.

7. Menambahkan screen ketika memanggil detail list.

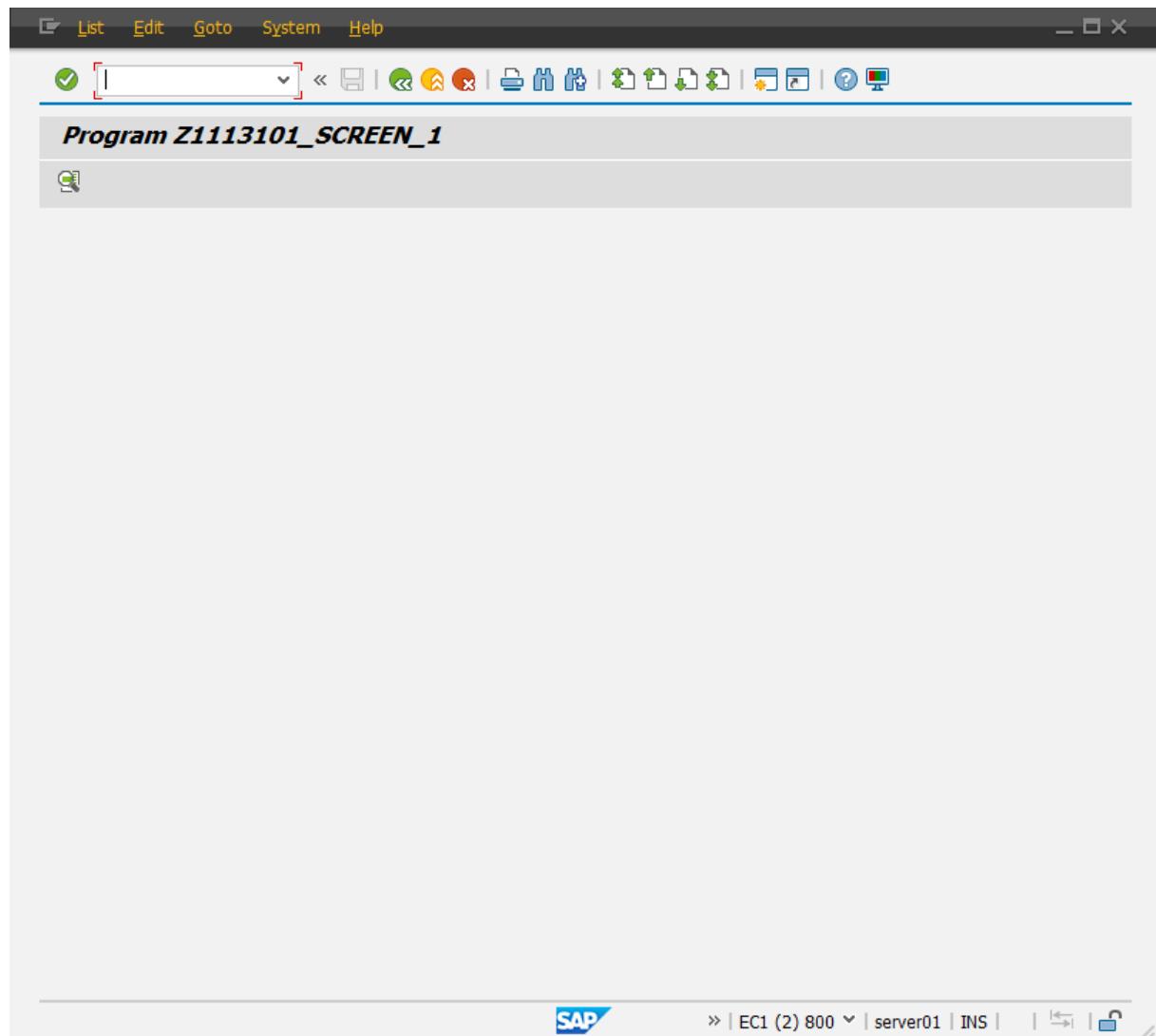
a. Tambahkan kode program berikut:

```
at LINE-SELECTION.  
call SCREEN 100.
```

- b. Klik dua kali pada angka 100 untuk membuat screen 100.  
c. Lengkapi atribut screen dengan nilai-nilai berikut:



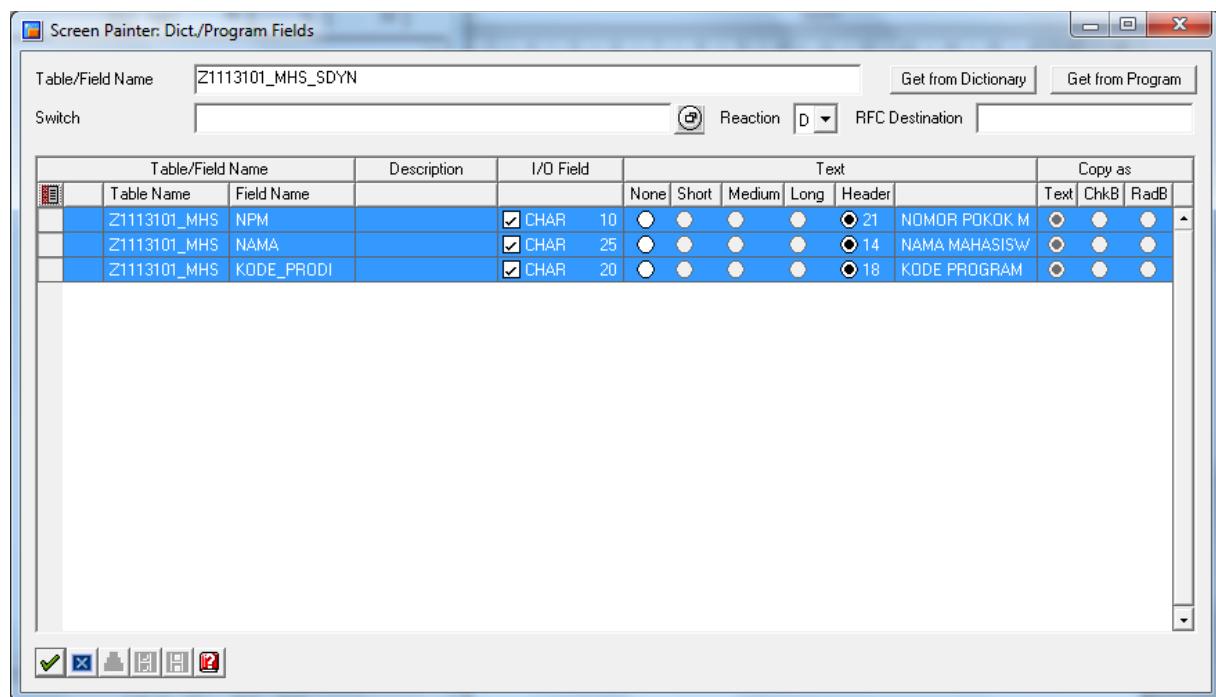
- d. Save lalu active-kan.  
e. Jalankan kembali program.  
f. Klik dua kali pada item di basic list.  
g. Maka akan ditampilkan screen 100 yang masih kosong.



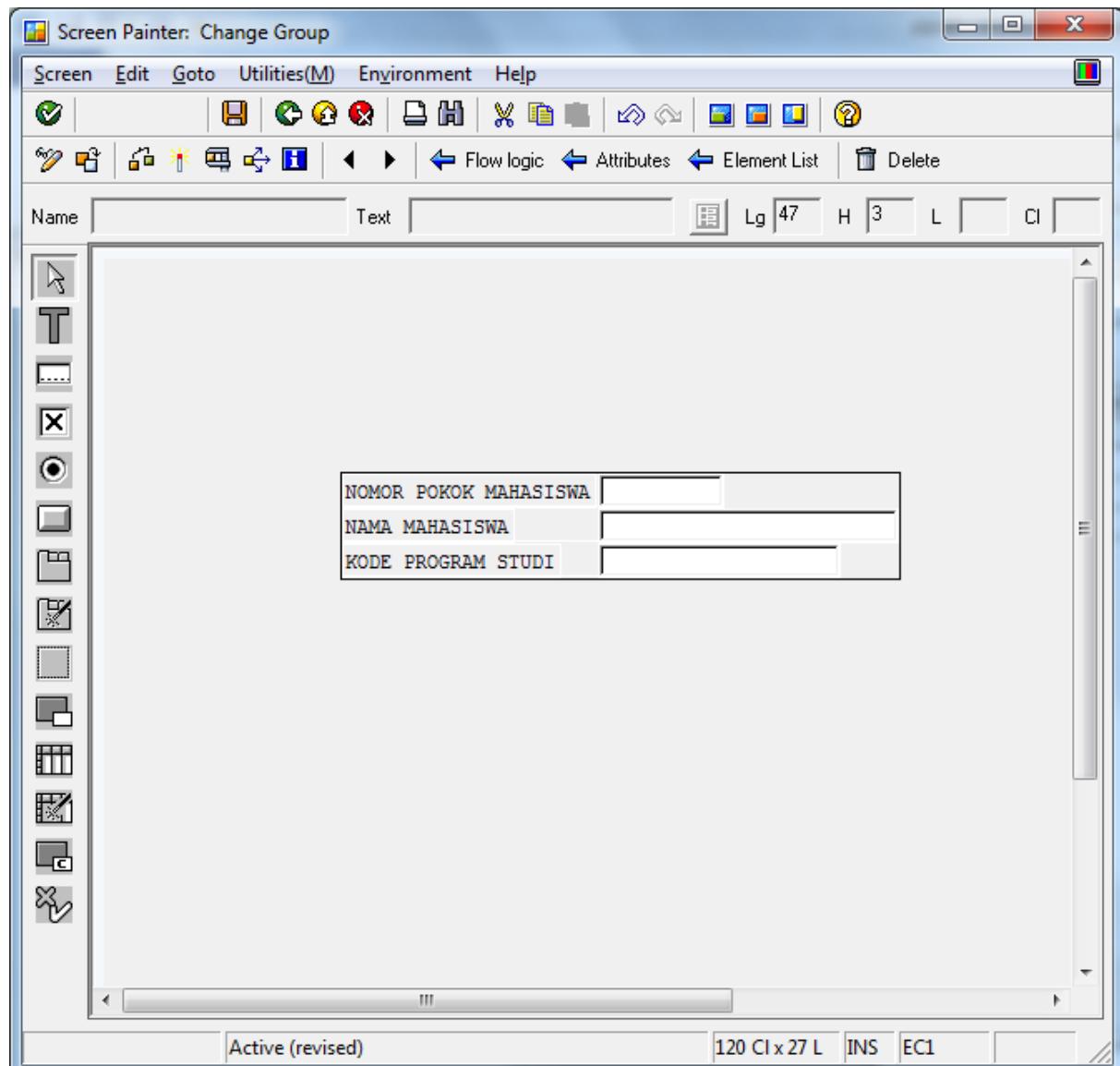
- h. Kembali ke kode program.
8. Transfer data antar screen.
  - a. Tambahkan kode program berikut.

```
tables  Z1113101_MHS_SDYN.
```

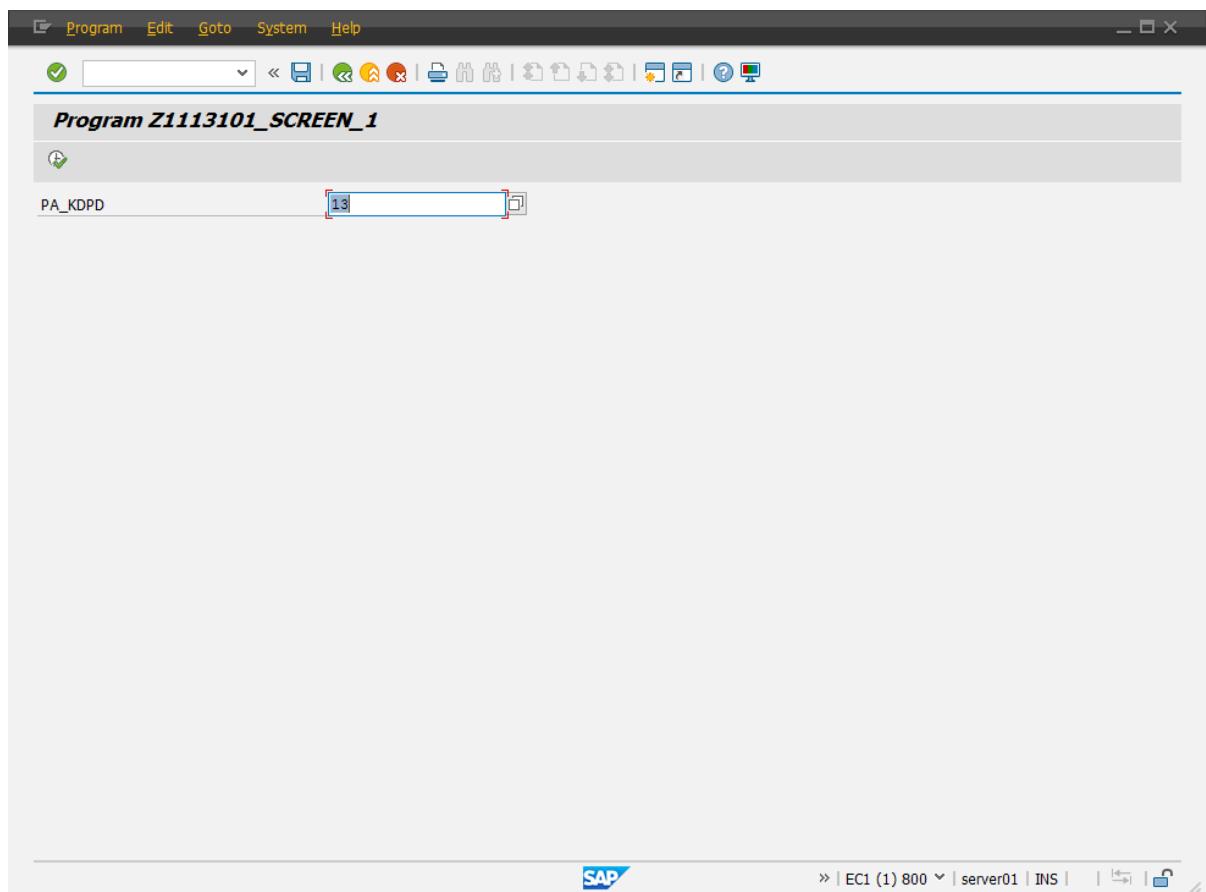
- b. Panggil kembali screen 100.
- c. Pilih go to layout editor.
- d. Pilih Dictionary/Program Fields windows
- e. Masukkan Z#\_MHS\_SDYN pada table/field name.
- f. Pilih Get From Dictionary



- g. Pilih semua field
- h. Pilih transfer.



- i. Simpan di layar screen 100.
- j. Kebali ke screen painter.
- k. Save lalu active.
- l. Jalankan kembali programnya.



List Edit Goto System Help

Program Z1113101\_SCREEN\_1

Program Z1113101\_SCREEN\_1

15096001	TATANG AGUS SUHARTO	13
15096003	ARIF SETIAWAN	13
15096005	ABRAHAM IMAM MUTTAQIN	13

SAP > | EC1 (1) 800 | server01 | INS |

List Edit Goto System Help

Program Z1113101\_SCREEN\_1

NOMOR POKOK MAHASISWA	15096005
NAMA MAHASISWA	ABRAHAM IMAM MUTTAQIN
KODE PROGRAM STUDI	13

SAP > | EC1 (1) 800 | server01 | INS |