

CHAPTER IV

Analysis and Design

4.1 Analysis

4.1.1 Data structure

```
struct nsbh
{
    char nama[100];
    char norek[20];
    char ttl[40];
    char jk[20];
    char alamat[30];
    char kota[50];
    char nohp[15];
    char saldo[100];
    struct nsbh *next;
};
```

Figure 4.1.1 Data Struct

Struct "nsbh" is data structure in here. Function struct "nsbh" to declare "nama", "norek", "ttl", "jk", "alamat", "kota", "nohp", and "saldo". And next in struct list *next for next to the linked list.

4.1.2 Linked List

Linked lists and hash tables are structure data. To create programs for searching account. Linkend lists that hold data on "nsbh", so that the data requested unlimited.

4.1.3 Flow chart Diagram Menu

Menu this application display login customer consist of username and password. Showing check balance, withdraw cash, and deposit cash.

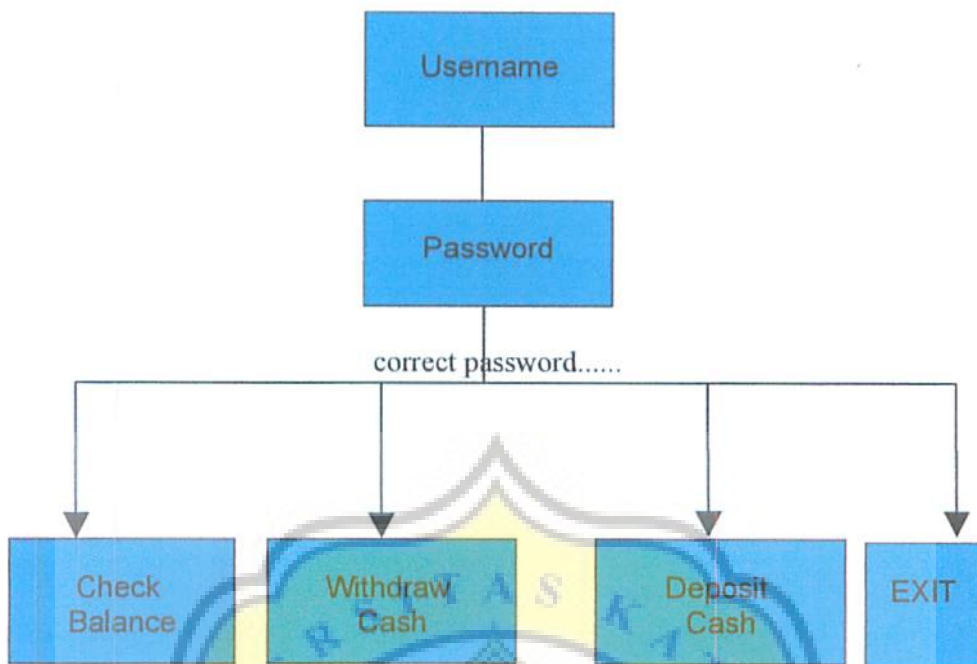


Figure 4.1.3 Diagram Menu

4.2 Design

4.2.1 Process searching based on the account number

First of all user should insert username based on the account number and password. If correct, menu will appear 1 until 4 .

If the user selects the number "1", the program will display user account data like "nama" and "saldo".

If the user selects the number "2", the program ask to enter the amount of cash that will be taken and showing remaining balance user.

If the user selects the number "3", the program ask to enter the amount of cash that will be save and showing too remaining balance user.

If the user selects number "4" program will be exit.

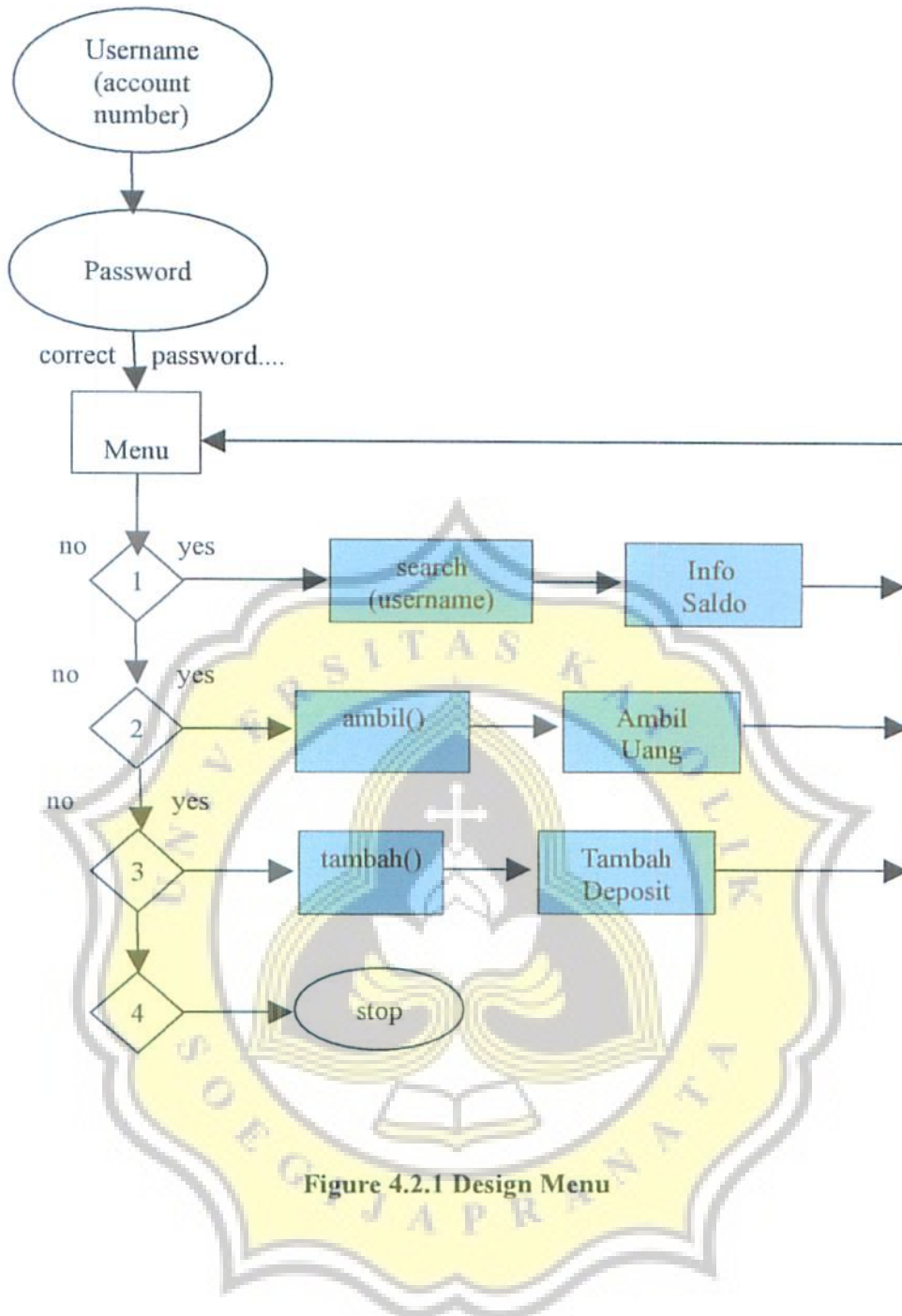


Figure 4.2.1 Design Menu