PRAKTIKUM

DASAR PEMROGRAMAN

SEMESTER GENAP TAHUN AKADEMIK 2024/2025

Tanggal

....

Materi

....

PRODI SISTEM INFORMASI FAKULTAS

TEKNIK DAN ILMU KOMPUTER

UNIVERSITAS NUSANTARA PGRI KEDIRI 2025

BAB II

PERCOBAAN DAN LATIHAN

Percobaan 1

```cpp
#include <iostream>
using namespace std;

int main() {
    int n = 5, *p;

    p = &n;
    cout<<"n   = "<<n<<endl;
    cout<<"&n  = "<<&n<<endl;
    cout<<"*&n = "<<*&n<<endl;
    cout<<"p   = "<<p<<endl;
    cout<<"*p  = "<<*p<<endl;
    cout<<"&p  = "<<&p<<endl<<endl;

    *p = 7;

    cout<<"n   = "<<n<<endl;
    cout<<"&n = "<<&n<<endl;
    cout<<"p   = "<<p<<endl;
    cout<<"*p = "<<*p<<endl;

    delete p;

    system("pause");
    return 0;
}
```

Latihan 1

```cpp
#include <iostream>
using namespace std;

struct rangkai {
    int data;
    rangkai *next;
};

rangkai *r1, *bantu, *hapus, *head, *tail;

int main(){
    int i,angka;
    //input linked list
    for (i=0;i<10;i++){
        cout << "masukkan data : ";
        cin >> angka;

        r1 = new rangkai;
        r1->data = angka;
        r1->next = NULL;

        if(head == NULL){
            head = r1;
        } else {
            tail = head;
            while(tail->next != NULL){
                tail = tail->next;
            }
            tail->next = r1;
        }
    }
```

```cpp
    //menampilkan linked list

    bantu = head;
    cout << "Data : " ;
    while(bantu != NULL){
        cout << bantu->data <<" ";
        bantu = bantu->next;
    }cout <<endl;


    //hapus semua node menghindari memory leak
    while(r1!=NULL){
        hapus = r1;
        r1 = r1->next;
        hapus->next = NULL;
        delete hapus;
    }

    system("pause");
    return 0;
}
```

BAB III

TAMPILAN PROGRAM

Percobaan 1

```
n   = 5
&n  = 0x61ff0c
*&n = 5
p   = 0x61ff0c
*p  = 5
&p  = 0x61ff08

n  = 7
&n = 0x61ff0c
p  = 0x61ff0c
*p = 7
Press any key to continue . . .
```

Latihan 1

```
masukkan data : 1
masukkan data : 2
masukkan data : 3
masukkan data : 4
masukkan data : 5
masukkan data : 6
masukkan data : 7
masukkan data : 8
masukkan data : 9
masukkan data : 10
Data : 1 2 3 4 5 6 7 8 9 10
Press any key to continue . . .
```