LAPORAN

ALGORITMA PEMORGRAMAN

DISUSUN OLEH

RIFAL FEBIYAN (2100018345)

SLOT SELASA 13.30 – KELAS G

PROGRAM STUDI INFORMATIKA FAKULTAS TEKNOLOGI INDUSTRI

UNIVERSITAS AHMAD DAHLAN

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KEGIATAN PRAKTIKUM 9 : ARRAY 1-2 DIMENSI

1). Berdasarkan dari landasan teori, konstruksikan algoritmanya dan buatlah flowchart lalu telusuri setiap pembentukan baris demi baris dari indeks yang baru.

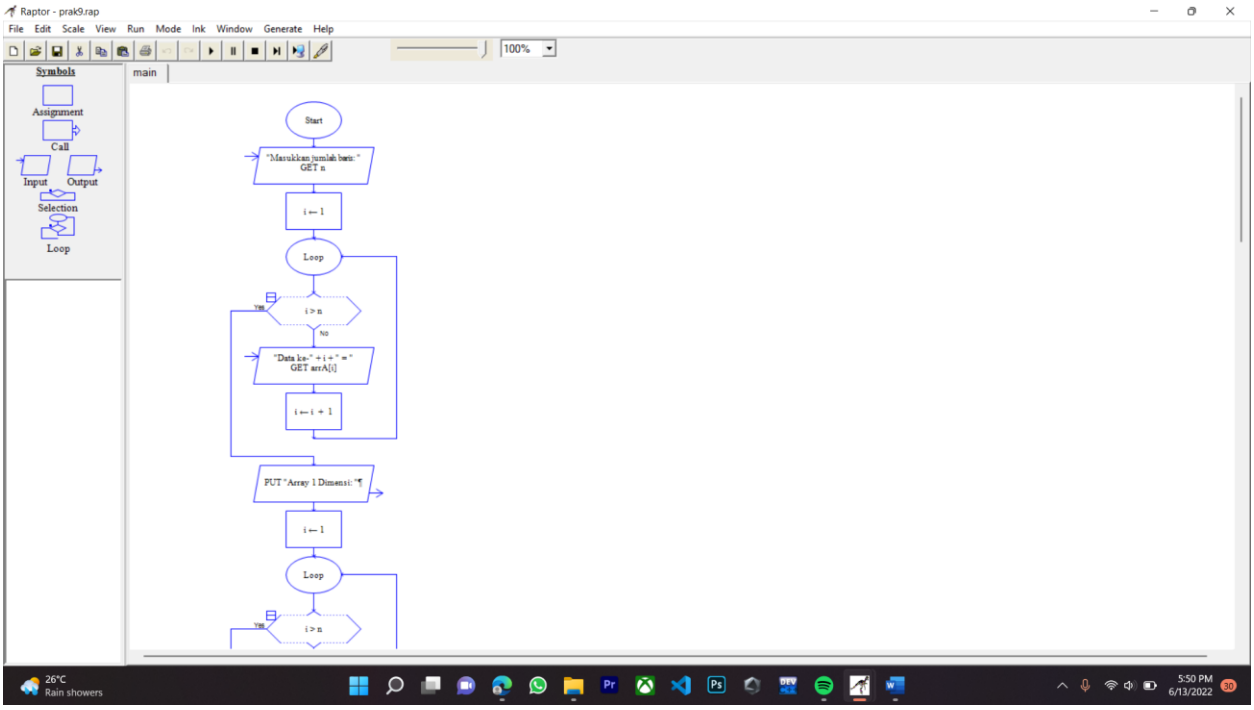
⇨ Algoritma

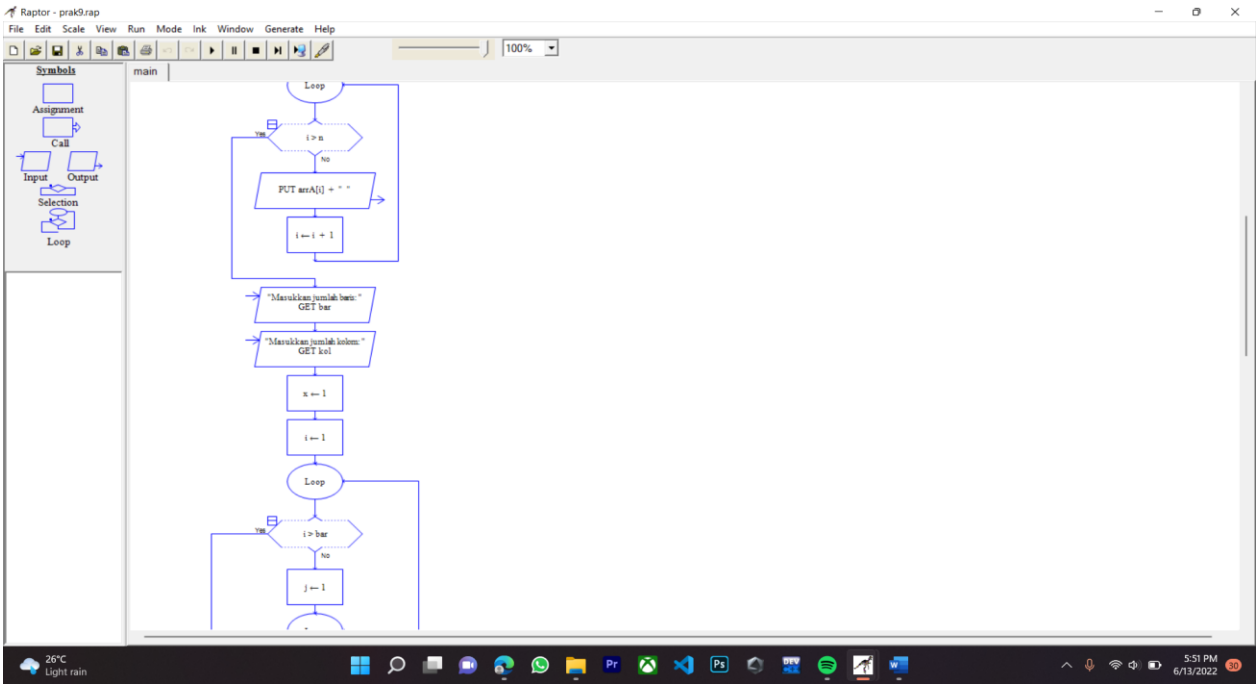
- Deklarasi
  A : array[1…50][1…50] of integer
  arrA : array[1…50] of integer
  n,j,k,i : integer

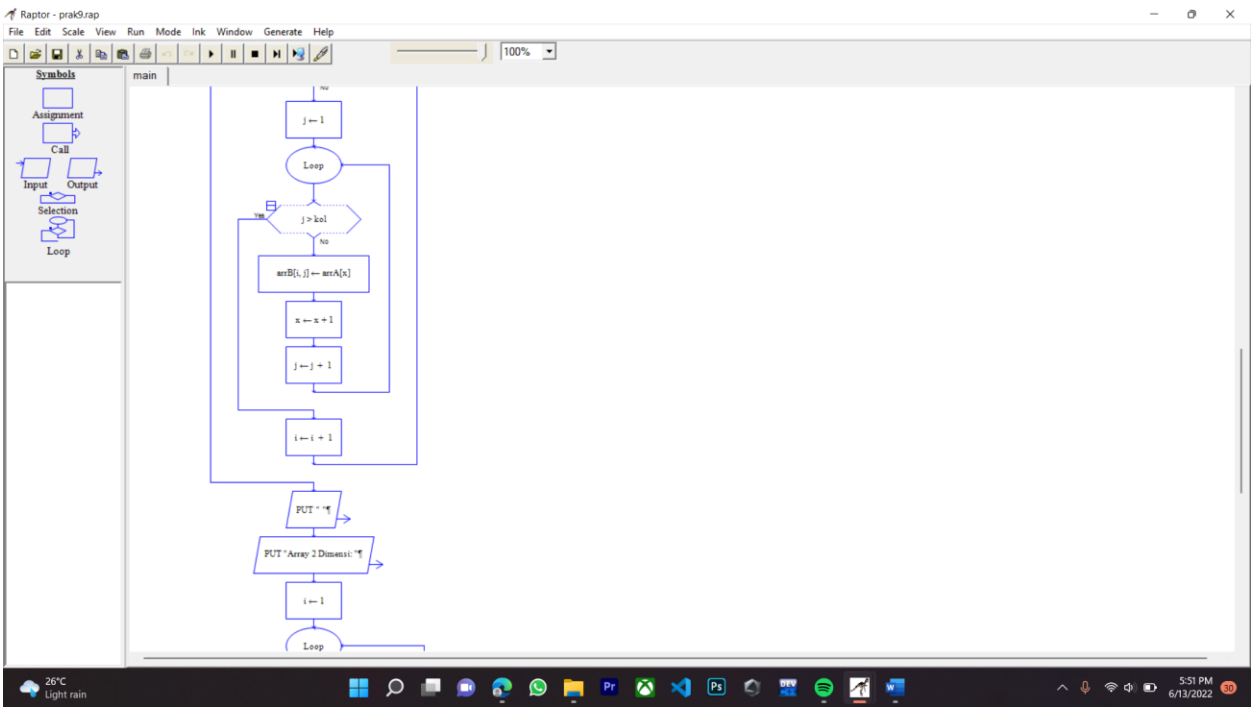
- Deksripsi

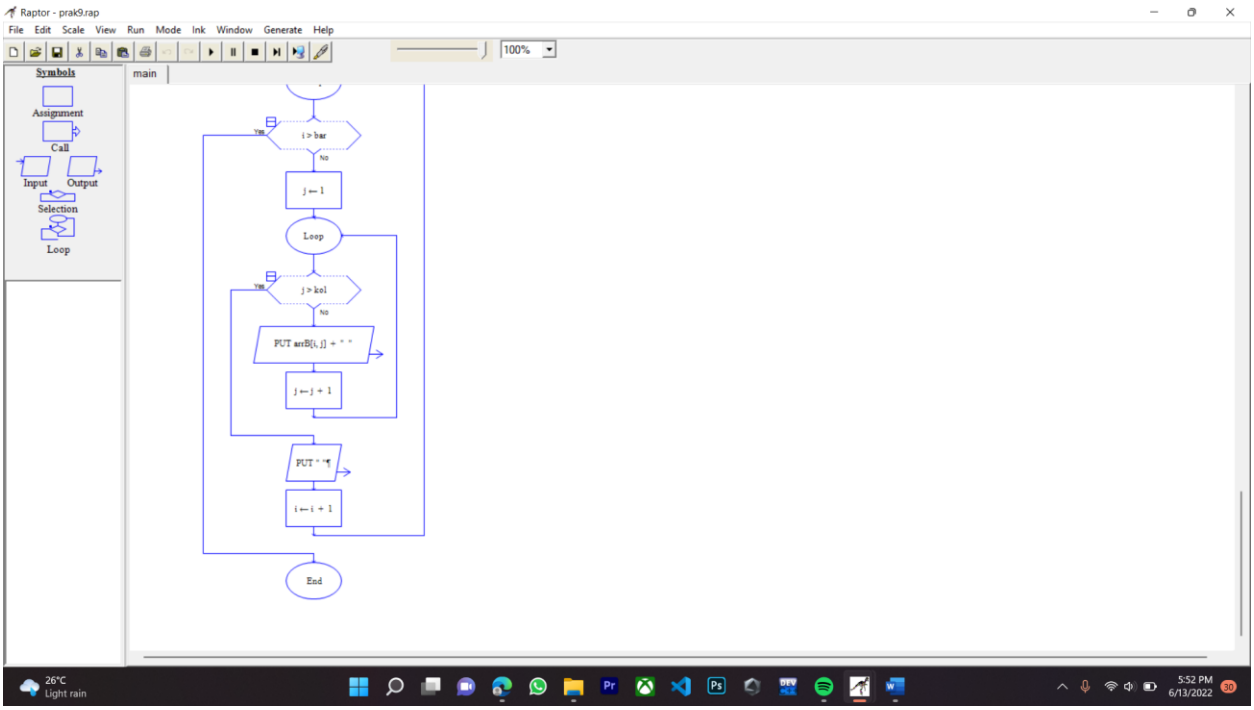
```
write('Masukkan Jumlah Baris');
read(n);
for i ← 0 to n do;
for j ← 0 to n do;
read (a[i][j]);
endfor;
k ← 0;
for i ← 0 to n do;
for j ← 0 to n do;
arrA[k] ← a[i][j];
k++;
endfor;
endfor;
for k ← 0 to n*n do;
write(arrA[k]); { menampilkan array 1 dimensi }
endfor;

for i ← 0 to n do;
for j ← 0 to n do;
write (a[i][j]); { menampilkan array 2 dimensi }
endfor ;
endfor;
```

⇨ Flowchart


Raptor - prak9.rap
File Edit Scale View Run Mode Ink Window Generate Help
100%
Symbols
Assignment
Call
Input
Output
Selection
Loop
main
Start
"Masukkan jumlah baris: "
GET n
i ← 1
Loop
i > n
Yes
No
"Data ke-" + i + " = "
GET arrA[i]
i ← i + 1
PUT "Array 1 Dimensi: "¶
i ← 1
Loop
i > n
26°C
Rain showers
5:50 PM
6/13/2022

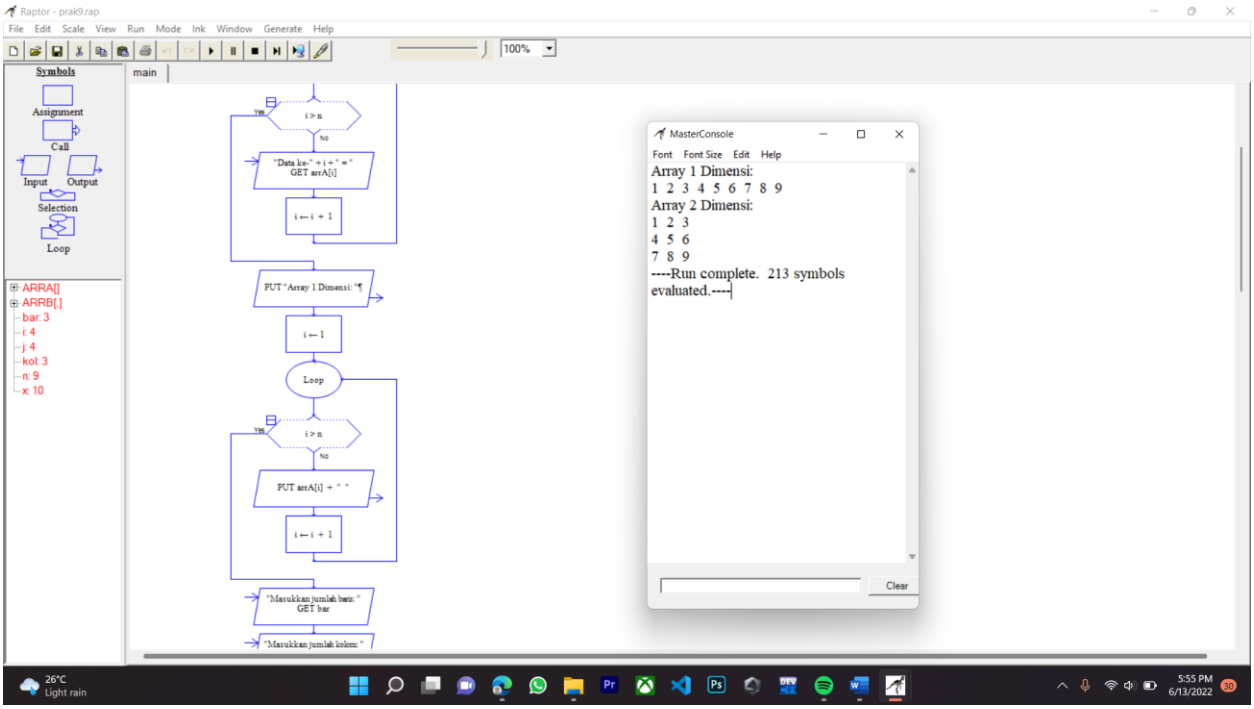

Raptor - prak9.rap
File Edit Scale View Run Mode Ink Window Generate Help
100%
Symbols
Assignment
Call
Input
Output
Selection
Loop
main
Loop
i > n
Yes
No
PUT arrA[i] + " "
i ← i + 1
"Masukkan jumlah baris: "
GET bar
"Masukkan jumlah kolom: "
GET kol
x ← 1
i ← 1
Loop
i > bar
Yes
No
j ← 1
26°C
Light rain
5:51 PM
6/13/2022


Raptor - prak9.rap
File Edit Scale View Run Mode Ink Window Generate Help
100%
Symbols
Assignment
Call
Input
Output
Selection
Loop
main
j ← 1
Loop
j > kol
Yes
No
arrB[i, j] ← arrA[x]
x ← x + 1
j ← j + 1
i ← i + 1
PUT " "¶
PUT "Array 2 Dimensi: "¶
i ← 1
Loop
26°C
Light rain
5:51 PM
6/13/2022

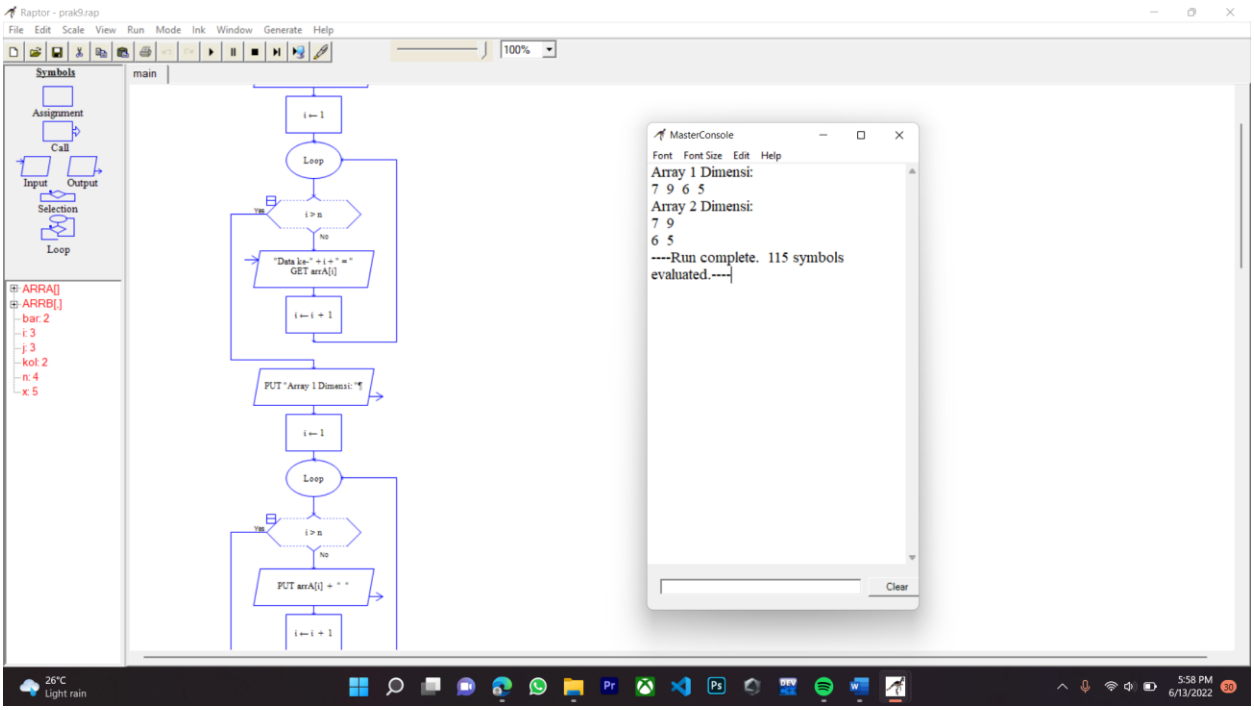

Raptor - prak9.rap
File Edit Scale View Run Mode Ink Window Generate Help
100%
Symbols
Assignment
Call
Input
Output
Selection
Loop
main
i > bar
Yes
No
j ← 1
Loop
j > kol
Yes
No
PUT arrB[i, j] + " "
j ← j + 1
PUT " "¶
i ← i + 1
End
26°C
Light rain
5:52 PM
6/13/2022

⇨ Ketika Flowchart pada raptor dijalankan

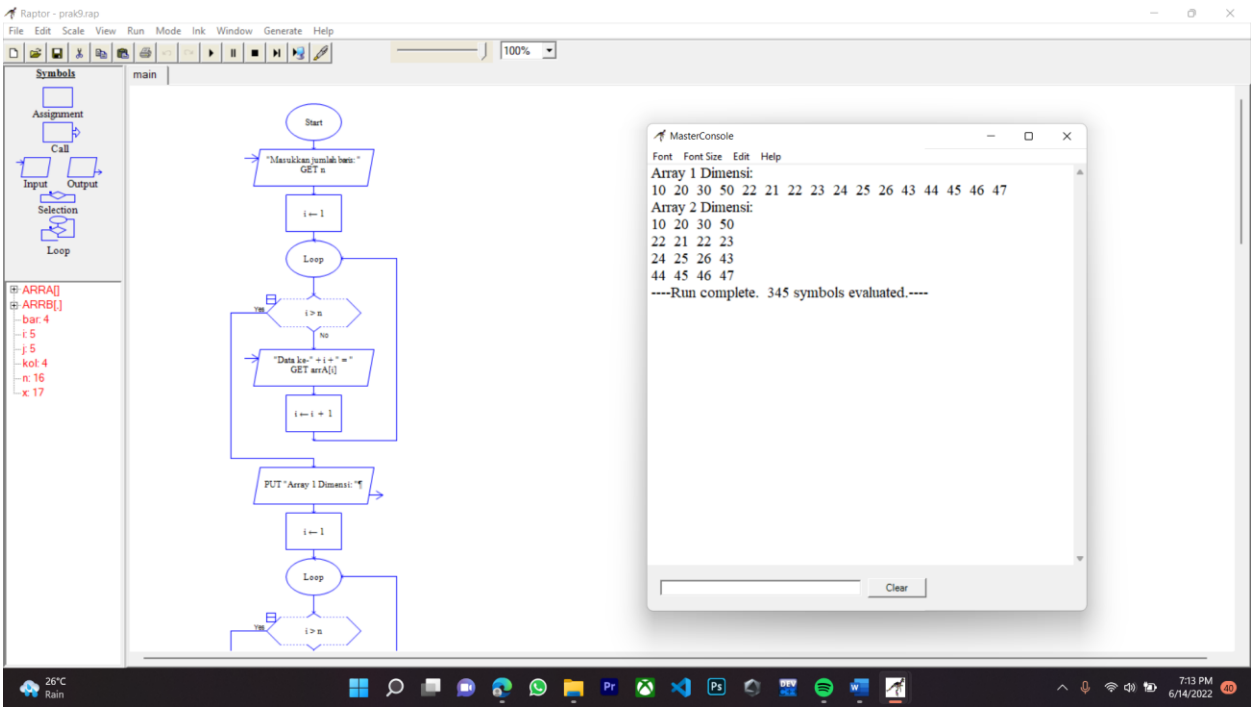
➔ Percobaan 1



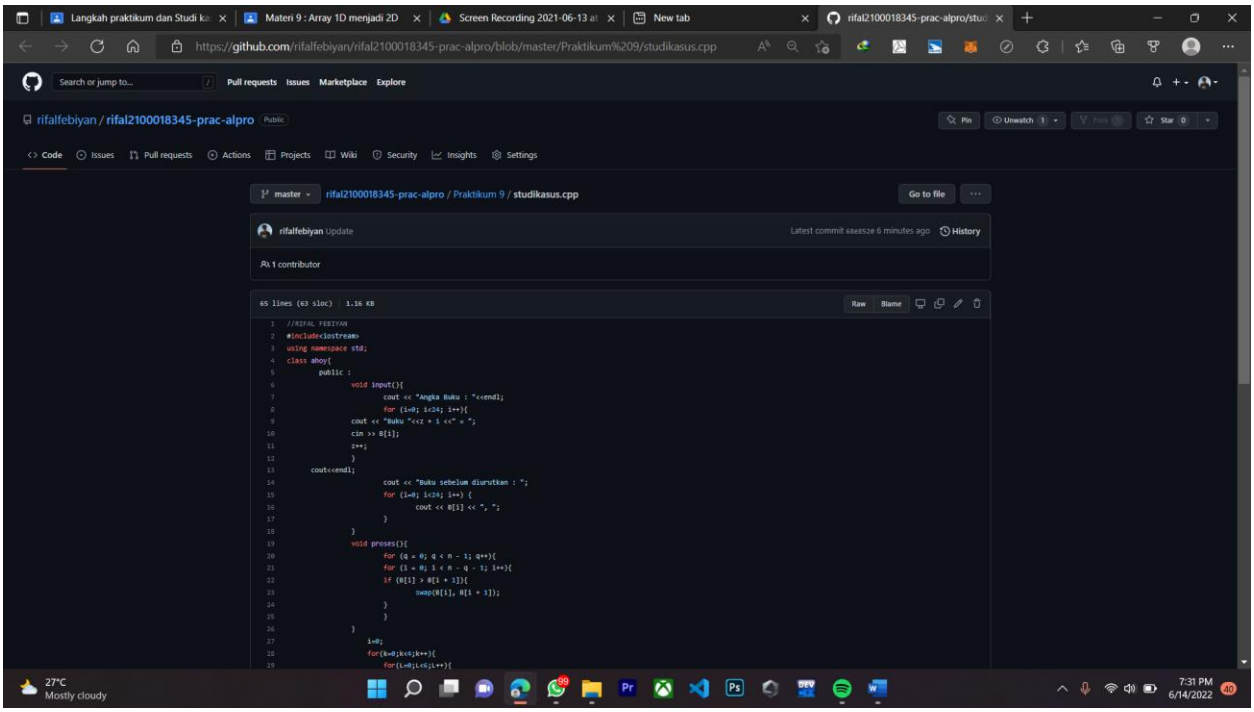
➔ Percobaan 2



➔ Percobaan 3



2). Screenshot StudiKasus dan Link GitHub.



[rifal2100018345-prac-alpro/studikasus.cpp at master · rifalfebiyan/rifal2100018345-prac-alpro (github.com)]