

KOMPUTER GRAFIK (B)



DISUSUN OLEH:

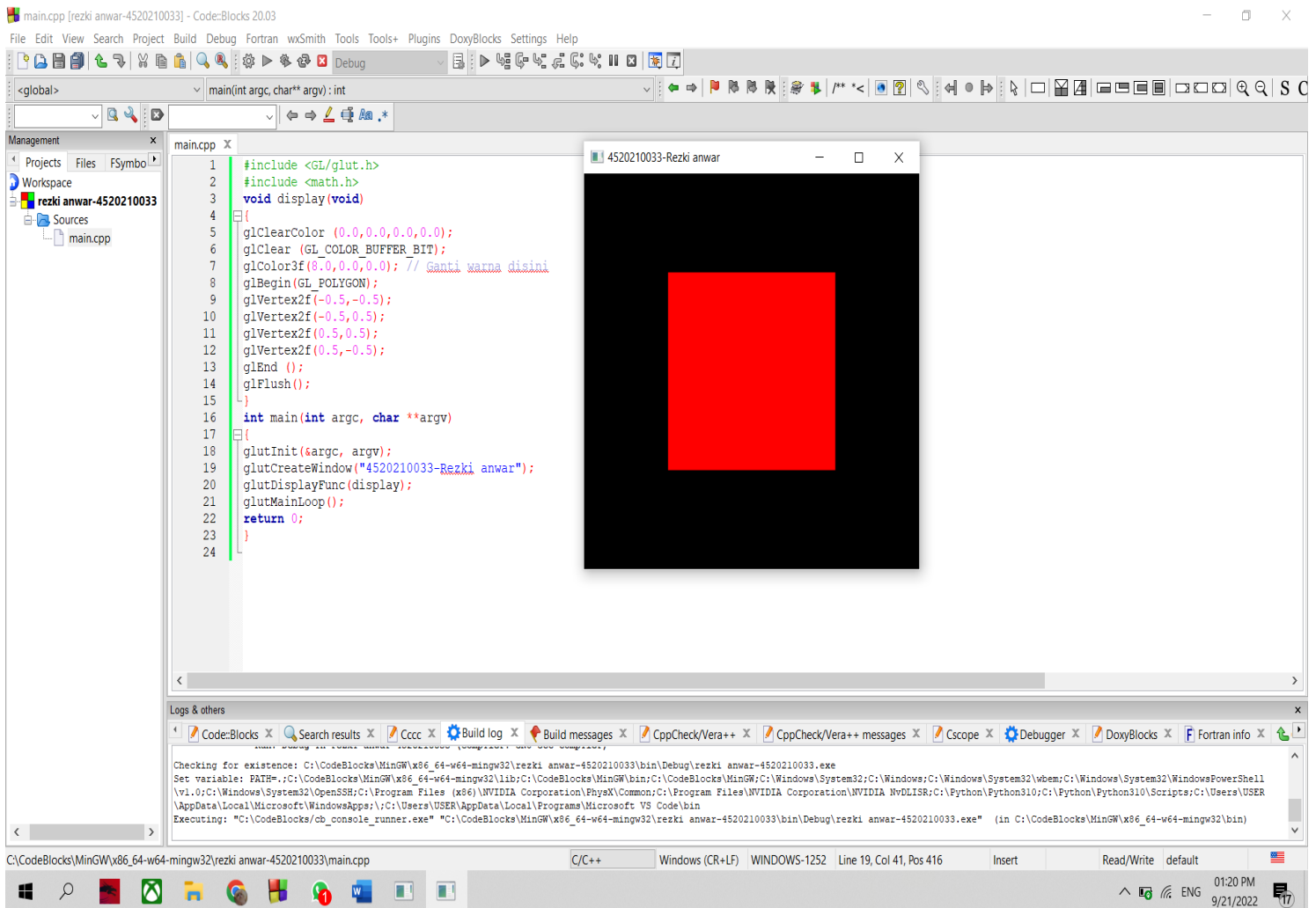
Rezki anwar - 4520210033

Teknik Informatika Universitas Pancasila
Tahun ajaran 2022/2023

1. Warna (hal. 15)

```
#include <GL/glut.h>
#include <math.h>
void display(void)
{
    glClearColor (0.0,0.0,0.0,0.0);
    glClear (GL_COLOR_BUFFER_BIT);
    glColor3f(8.0,0.0,0.0); // Ganti warna disini
    glBegin(GL_POLYGON);
    glVertex2f(-0.5,-0.5);
    glVertex2f(-0.5,0.5);
    glVertex2f(0.5,0.5);
    glVertex2f(0.5,-0.5);
    glEnd ();
    glFlush();
}
int main(int argc, char **argv)
{
    glutInit(&argc, argv);
    glutCreateWindow("4520210033-Rezki anwar");
    glutDisplayFunc(display);
    glutMainLoop();
    return 0;
}
```

Hasil RUN



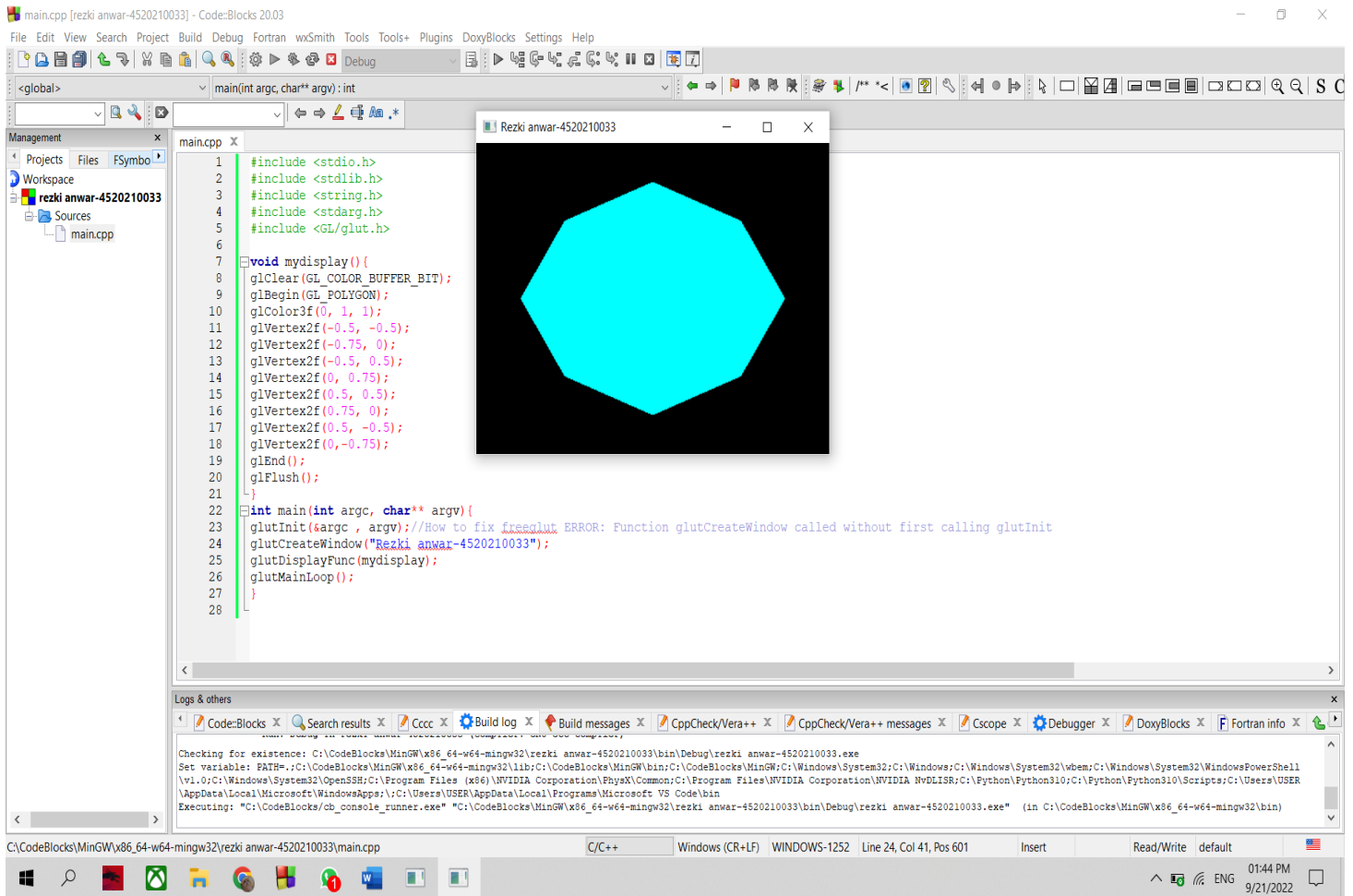
2. Polygon (hal. 27)

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <stdarg.h>
#include <GL/glut.h>

void mydisplay(){
    glClear(GL_COLOR_BUFFER_BIT);
    glBegin(GL_POLYGON);
    glColor3f(0, 1, 1);
    glVertex2f(-0.5, -0.5);
    glVertex2f(-0.75, 0);
    glVertex2f(-0.5, 0.5);
    glVertex2f(0, 0.75);
    glVertex2f(0.5, 0.5);
    glVertex2f(0.75, 0);
    glVertex2f(0.5, -0.5);
    glVertex2f(0, -0.75);
    glEnd();
    glFlush();
}

int main(int argc, char** argv){
    glutInit(&argc, argv); //How to fix freeglut ERROR: Function glutCreateWindow called
    //without first calling glutInit
    glutCreateWindow("Rezki anwar-4520210033");
    glutDisplayFunc(mydisplay);
    glutMainLoop();
}
```

Hasil RUN



```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4 #include <stdarg.h>
5 #include <GL/glut.h>
6
7 void mydisplay() {
8     glClear(GL_COLOR_BUFFER_BIT);
9     glBegin(GL_POLYGON);
10    glColor3f(0, 1, 1);
11    glVertex2f(-0.5, -0.5);
12    glVertex2f(-0.75, 0);
13    glVertex2f(-0.5, 0.5);
14    glVertex2f(0, 0.75);
15    glVertex2f(0.5, 0.5);
16    glVertex2f(0.75, 0);
17    glVertex2f(0.5, -0.5);
18    glVertex2f(0, -0.75);
19    glEnd();
20    glFlush();
21 }
22
23 int main(int argc, char** argv) {
24     glutInit(&argc, argv);
25     glutCreateWindow("Rezki anwar-4520210033");
26     glutDisplayFunc(mydisplay);
27     glutMainLoop();
28 }
```

Checking for existence: C:\CodeBlocks\MinGW\x86_64-mingw32\rezki anwar-4520210033\bin\Debug\rezki anwar-4520210033.exe
Set variable: PATH=C:\CodeBlocks\MinGW\x86_64-mingw32\lib\bin;C:\CodeBlocks\MinGW\bin;C:\CodeBlocks\MinGW\bin;C:\Windows\System32;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NVDLISR;C:\Python\Python310;C:\Python\Python310\Scripts;C:\Users\USER\AppData\Local\Microsoft\WindowsApps;C:\Users\USER\AppData\Local\Programs\Microsoft VS Code\bin
Executing: "C:\CodeBlocks\cb_console_runner.exe" "C:\CodeBlocks\MinGW\x86_64-mingw32\rezki anwar-4520210033\bin\Debug\rezki anwar-4520210033.exe" (in C:\CodeBlocks\MinGW\x86_64-mingw32\bin)