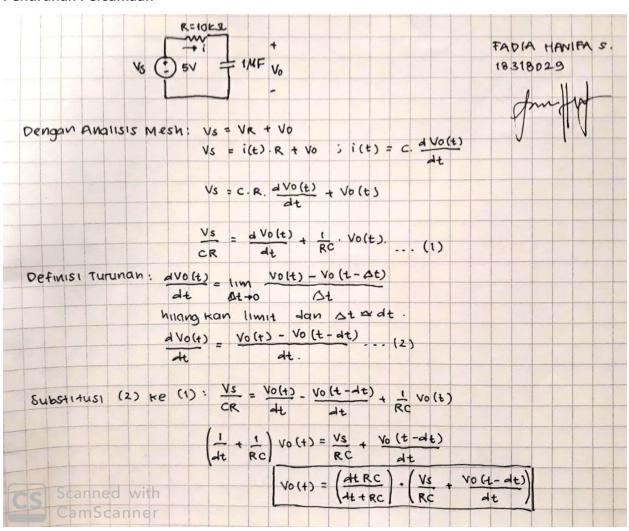
LAPORAN QUIZ 4

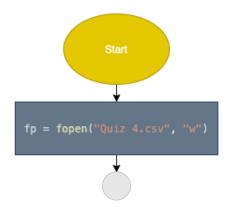
EL 2008 PENYELESAIAN MASALAH DENGAN C

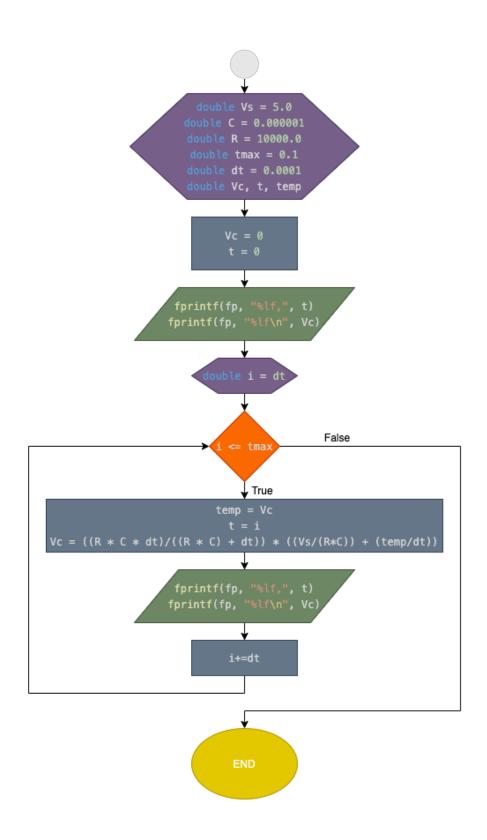
Fadia Hanifa Suwandoko / 18318029

1. Penurunan Persamaan



2. Flowchart





3. Kode

```
#include <stdio.h>
int main() {
  FILE *fp;
  fp = fopen("Quiz 4.csv", "w");  // open or create csv file
  // inisiasi variabel
  double Vs = 5.0;
  double C = 0.000001;
  double R = 10000.0;
  double tmax = 0.1;
  double dt = 0.0001;
  double Vc, t, temp;
  // Hitung Vc
                                      // Vc awal diketahui 0
  Vc = 0;
  t = 0;
                                 // input data ke file external
  fprintf(fp, "%lf,", t);
  fprintf(fp, "%lf\n", Vc);
  for(double i = dt; i < = tmax; i += dt) {//looping dari t=dt sampai t=tmax
     temp = Vc;
     t = i;
     \label{eq:Vc=((R*C*dt)/((R*C)+dt))*((Vs/(R*C))+(temp/dt));} $$// perhitungan Vc $$
```

4. Grafik Hasil

