Nama: Ananda Setyawati

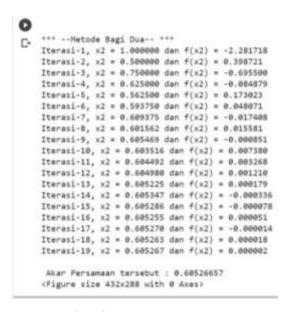
NPM : 202010225243

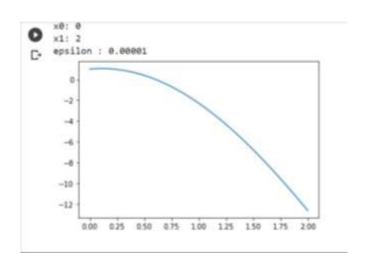
Kelas: TF3B

Praktikum Metode Numerik

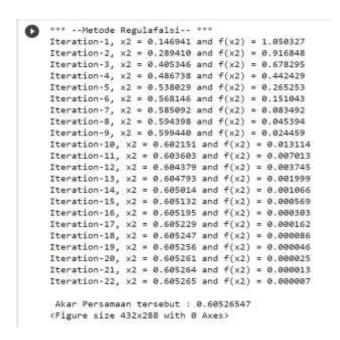
Tugas 1 Solusi Persamaan Non Linear

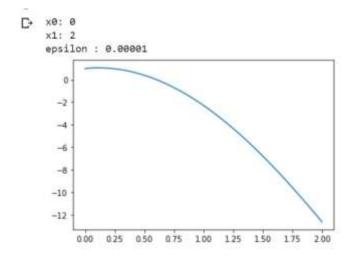
Bisection





Regulafalsi





Newton Raphson

```
x0: 0
epsilon : 0.00001

*** ---METODE NEWTON RAPHSON--- ***
Iterasi-1, x = -1.00000000 dan f(x) = -4.63212056
Iterasi-2, x = -0.55322392 dan f(x) = -0.95519075
Iterasi-3, x = -0.39682326 dan f(x) = -0.11489062
Iterasi-4, x = -0.37206600 dan f(x) = -0.00285682
Iterasi-5, x = -0.37141820 dan f(x) = -0.00000195

Akar Persamaan tersebut : -0.37141820
-0.37141819606536197
```

Secant

```
x0: 0
x1: 2

Amax Iter: 100
epsilon: 0.00001
Iterasi-1, x = 0.14694058 dan f(x) = 1.05032747
Iterasi-2, x = 0.28941042 dan f(x) = 0.91684783
Iterasi-3, x = 1.26801036 dan f(x) = -4.48547660
Iterasi-4, x = 0.45549212 dan f(x) = 0.53958387
Iterasi-5, x = 0.54273918 dan f(x) = 0.24788466
Iterasi-6, x = 0.61688134 dan f(x) = -0.04957321
Iterasi-7, x = 0.60452508 dan f(x) = 0.00312984
Iterasi-8, x = 0.60525888 dan f(x) = 0.00003480
Iterasi-9, x = 0.60526713 dan f(x) = -0.000000003
```

Akar Persamaan tersebut : 0.60526713