

# MENYELESAIKAN POLINOMIAL DENGAN NUMPY

Tugas Mata Kuliah SK5003 Pemrograman dalam Sains  
Numpy Python 3

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## Contents

<b>TASK 1</b>	<b>4</b>
Soal . . . . .	4
Jawab . . . . .	4
<b>TASK 2</b>	<b>5</b>
Soal . . . . .	5
Jawab . . . . .	5
<b>TASK 3</b>	<b>6</b>
Soal . . . . .	6
Jawab . . . . .	6
<b>TASK 4</b>	<b>7</b>
Soal . . . . .	7
Jawab . . . . .	7
<b>TASK 5</b>	<b>8</b>
Soal . . . . .	8
Jawab . . . . .	8
<b>TASK 6</b>	<b>9</b>
Soal . . . . .	9
Jawab . . . . .	9
<b>== End ==</b>	<b>9</b>

## List of Figures

## TASK 1

### Soal

Develop a Python program to evaluate polynomial function  $y = x^4 + 4x^2 + 7$ . Find an appropriate interval of  $x$  for which the function evaluation is done and plot the graph.

### Jawab

Ini digambar dulu

## TASK 2

### Soal

Develop a Python program to evaluate the polynomial function  $y = 3x^5 + 6$ . Find an appropriate interval of  $x$  for which the function evaluation is done and plot the graph.

### Jawab

## TASK 3

### Soal

Develop a Python program to evaluate the polynomial function  $y = 2x^6 - 1.5x^5 + 5x^4 - 6.5x^3 + 6x^2 - 3x + 4.5$ . Find an appropriate interval of  $x$  for which the function evaluation is done and plot the relevant data.

### Jawab

## TASK 4

### Soal

Develop a Python program to solve the polynomial function  $y = x^4 + 4x^2 + 7$ .

### Jawab

## TASK 5

### Soal

Develop a Python program to solve the polynomial function  $y = 3x^5 + 6$ .

### Jawab



## TASK 6

### Soal

Develop a Python program to solve the polynomial function  $y = 2x^6 - 1.5x^5 + 5x^4 - 6.5x^3 + 6x^2 - 3x + 4.5$ .

### Jawab

== End ==