



POLITICAL PARTIES' ROLE

FOR PROSPERITY AND DEMOCRATIZATION IN ASEAN COUNTRIES

Nama: Prames Ray Lapien NPM: 140810210059 Matkul: Praktikum Metode Numerik		[ITERASI II:]
		$b_6 = 1$
		$b_5 = 5 + x_1(b_6) = 5 + 0,625(1) = 5,625$
Polinom: $P(x) = 3 + 6x + 2x^2 + x^3 + 3x^4 + 5x^5 + x^6$ Horner: $P(x) = 3 + x(6 + x(2 + x(1 + x(3 + x(5 + x))))))$		$b_4 = 3 + x_1(b_5) = 3 + 0,625(5,625) = 6,51563$
$x_0 = 1$		$b_3 = 1 + x_1(b_4) = 1 + 0,625(6,51563) = 5,07227$
[ITERASI I:]		$b_2 = 2 + x_1(b_3) = 2 + 0,625(5,07227) = 5,17017$
$b_6 = 1$		$b_1 = 6 + x_1(b_2) = 6 + 0,625(5,17017) = 9,23135$
$b_5 = 5 + x_0(b_6) = 5 + 1(1) = 6$		$P(x) = b_0 = 3 + x_1(b_1) = 3 + 0,625(9,23135) = 6,7696$
$b_4 = 3 + x_0(b_5) = 3 + 1(6) = 9$		$c_6 = b_6 = 1$
$b_3 = 1 + x_0(b_4) = 1 + 1(9) = 10$		$c_5 = b_5 + x_1(c_6) = 5,625 + 0,625(1) = 6,25$
$b_2 = 2 + x_0(b_3) = 2 + 1(10) = 12$		$c_4 = b_4 + x_1(c_5) = 6,51563 + 0,625(6,25) = 10,4219$
$b_1 = 6 + x_0(b_2) = 6 + 1(12) = 18$		$c_3 = b_3 + x_1(c_4) = 5,07227 + 0,625(10,4219) = 11,5859$
$b_0 = 3 + x_0(b_1) = 3 + 1(18) = 21 = P(x)$		$c_2 = b_2 + x_1(c_3) = 5,17017 + 0,625(11,5859) = 12,4114$
		$c_1 = b_1 + x_1(c_2) = 9,23135 + 0,625(12,4114) = 16,9885$
$c_6 = b_6 = 1$		$= P'(x)$
$c_5 = b_5 + x_0(c_6) = 6 + 1(1) = 7$		
$c_4 = b_4 + x_0(c_5) = 9 + 1(7) = 16$		$x_2 = x_1 - \frac{P(x_1)}{P'(x_1)}$
$c_3 = b_3 + x_0(c_4) = 10 + 1(16) = 26$		$P'(x_1)$
$c_2 = b_2 + x_0(c_3) = 12 + 1(26) = 38$		$0,625 - \frac{6,7696}{16,9885} = 0,22652$
$c_1 = b_1 + x_1(c_2) = 18 + 1(38) = 56 = P'(x)$		
$x_1 = x_0 - \frac{P(x_0)}{P'(x_0)}$		
$P'(x_0)$		
$= 1 - \frac{21}{56} = 0,625$		



Brunei Darussalam



Kingdom of Cambodia



Republic of Indonesia



Lao People's Democratic Republic



Malaysia



Myanmar



Republic of the Philippines



Republic of Singapore



Kingdom of Thailand



Socialist Republic of Viet Nam



People's Republic of China



Republic of India



Japan



Republic of South Africa



Republic of Korea

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[ITERASI III:]

$$b_6 = 1$$

$$b_5 = 5 + x_2(b_6) = 5 + 0,22652(1) = 5,22652$$

$$b_4 = 3 + x_2(b_5) = 3 + 0,22652(5,22652) = 4,1839$$

$$b_3 = 1 + x_2(b_4) = 1 + 0,22652(4,1839) = 1,94773$$

$$b_2 = 2 + x_2(b_3) = 2 + 0,22652(1,94773) = 2,4412$$

$$b_1 = 6 + x_2(b_2) = 6 + 0,22652(2,4412) = 6,55297$$

$$b_0 = 3 + x_2(b_1) = 3 + 0,22652(6,55297) = 2,48437 = P(x)$$

$$c_6 = b_6 = 1$$

$$c_5 = b_5 + x_2(c_6) = 5,22652 + 0,22652(1) = 5,45304$$

$$c_4 = b_4 + x_2(c_5) = 4,1839 + 0,22652(5,45304) = 5,41911$$

$$c_3 = b_3 + x_2(c_4) = 1,94773 + 0,22652(5,41911) = 3,17526$$

$$c_2 = b_2 + x_2(c_3) = 2,4412 + 0,22652(3,17526) = 3,16045$$

$$c_1 = b_1 + x_2(c_2) = 6,55297 + 0,22652(3,16045) = 7,26887 = P'(x)$$

$$x_3 = x_2 - \frac{P(x)}{P'(x)}$$

$$= 0,22652 - \frac{2,48437}{7,26887} = -0,11526$$