1.	P(n) = 214+6+ +2n = n (n+)
	(i) Basis Induksi
	P(n) = 2+4+6+ +2n = n (n+1)
	untuk n = 1 mkita peroleh: 2020 peroleh:
	2.1 = 1(1+1) [ [ ] = (1+1) [ ] A = (1+1) [ ] A = (1+1)
	2.1 =1(2) & of (A) prom {0.2.68.61}
	2 = 2 (Terbukti)
	is and process managerally foods to established and the compact interpreted .
	(ii) Langkah induksi
	-P(n) = 2+4+6+ +21 = n (n+1)
	P(n+1) = 2+4+6 + +2n + 2 n+1 = n+1 ((n+1)+1) 2002 10010000000000000000000000000000
	, U(U+1) + 3(U+1) = U+1 ((U+1)+1)
	n (n+1) + 2(n+1) = (n+1)(n+2)
	n2 +n + 2n + 2 = n2 + 2n +n + 2
2.)	P(n) = 1+4+9+ +02 = 6 1 (17+1) (211-1)
	(i) Basis induksi and god consort
	P(n) = 1+4+9 + + n2 = 2 n (n+1) (2n+1)
	$P(1) = 1^2 = \frac{1}{6} \cdot 1 (1+1)(2\cdot 1+1)$
	1 = & (27(3)
	1 = 1 (Terbukti)
	(ii) Languah induksi
	P(n) = 1+4+9++n2 = 6 n (n+1)(2n+1)
	P(n+1) = 1+4+9++ n2+ (n+1)2 = (n+1) ((n+1)+1) (2 (n+1)+1)
	2 160 (n+1)(20+1)+(n+1)2 = 6 (n+1) ((n+1)+1) (2(n+1)+1)
	= n (n+1)(2n+1)+6(n+1)2=(n+1)(n+2)(2n+3)
	$(\Pi^2 + \Pi)(2\Pi + \Pi) + G(\Pi^2 + 2\Pi + \Pi) = (\Pi^2 + 2\Pi + \Pi + 2)(2\Pi + 3)$
	$(2n^3 + n^2 + 2n^2 + n) + 6n^2 + 12n + 6 = (n^2 + 3n + 2) (2n + 3)$
	(2n3 + 3n2+n) +6n2+12n+6 = 2n3+3n2+6n2+9n+4n+6
	203 + gn2 + 130 +6 = 203 + gn2 + 130 +6 (Terbukti) (VISION)

3. P(n) = 2+6+12+ ... + n (n+1) = 3 n (n+1) (n+2) (i) Basis induksi P(n) = 2+6+12+... +1 (n+1) = 37 (n+1) (n+2) P(1) = 1 (1+1) = 131 (1+1) (1+2) = 2 = 3 (2)(3) 2 2 2 (Terbulli) (ii) Langkan induksi P(n) = 2+6+12+... + n (n+1) = 3 n (n+1) (n+2) P(n+1) = 2+6+12+...+ 17 (n+1)+ (n+1) ((n+1)+1) = 3 (n+1) ((n+1)+1) ((n+1)+2) = 3 0 (0+1) (0+2) + (04) (0+2)= 1/2 (0+1) (0+2) (0+3) n (n+1) (n+2)+ 3 (n+1)(n+2) = (n+1) (n+2)(n+3)  $(n^2+n)(n+2) + (3n+3)(n+2) = (n^2+2n+n+2)(n+3)$  $(n^3 + 2n^2 + n^2 + 2n) + (3n^2 + 6n + 3n + 6) = (n^2 + 3n + 2) (n+3)$  $(n^3 + 3n^2 + 2n) + (3n^2 + 9n + 6) = n^3 + 3n^2 + 3n^2 + 9n + 2n + 6$ 13+612+111+6 = n3+612+118+6 (Terbokti) Nama: M. Fattancl Alim NIM : 244107620018 Kelas: TI-14