	A Company of the second control of the secon
Nama - M. Thorigu Azic	
NIM = ODI711733 002	0 1- 51
Provi: Tennih Biomasis	
	· · · · · · · · · · · · · · · · · · ·
27 m	) + 2(30+31) + 510 (30 - 00 )
1) Plant : Insuction Motor	62
Senior = Speed sensor Scope	27 1 2 1 2 1 2 1 3 1 4 C 1 1 1 7 1 1 1 2 4 C 1 2 4 don't
From Jetenfor = PID Controller	
KONTTOLET = PWM Generator	4 - 1 * 4 * 4 * 5 * 6 * 6 * 6 * 6 * 6 * 6 * 6 * 6 * 6
Atchator = IGBT inverter	c mal 2 = 1 - my N = 9160 : 1116;
S = S	1 0 - CFD = ( ) - FIRST 14 GB 7
2.) a.) Pada Persancian Xi	of any of the court of
	<u>*</u>
	hu la
	M No my Tis
K10, (x) + (x) - B dx + B dx = 1	Ma. Por
O†	Many and the second of the sec
- (xi-v) + (2x1 - B ( dx2 - dx) =	Mr. a (1)
( at at ,	
Persanaan XI	Succen
SF = M2. A	2- 2. (4/)
	2.9 discretionsky
at at	27.21.
	5 2.0
	Sets to the state of the
'candulan →.	255.75
	142 (1.3)
1) + Person hirchof	+ Pers Newton Htc 2
U= Ldi + R1 + lh . (1)	T= J day+ 6 wc+)
n die	= 1 d Wt) + b W(t)(3)
+ Pers 661	12 1 (1) dt 2 10 1 2 10 1
ch = {0 w(t)2	+ pers forni
	T= ka. i 4)
Sukrinori pero 1→2.	Peron 3 -> 4
Uct) = Ldi + Ri+ kb wct) -(1)	ta.i = J dwl) + b w(+) (6)
Rupan Mundali laplace pers 5	I College Property
(UCS) = LS I + RI + tb W(S)	ka. I(s) = ) s w(s) + b w(s) (81
UCS)- {b WCS) = I (CS+R)-G)	

t

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Subjitusi Persamoun 5 -> 6
 ka. (cs) - kb (cs) = 05 (cs) + 6 (cs)
        LS TR
 ta (UC) - ta to (UC) = (LS+R) (Js (UC)) + 6(UC))
 Kaucs) = JLs2 wcs1 + Lbs wcs) + JRs wcs) + Rb wcs) + ka kb wcs)
ta U() = W(s) [ ]Ls2 + (Lb + JR)s + (Rb+ tate)]
 Wa) =
       - [JLS2+ (46+ JR) S+ (Rb+k4+6)
4.) a.) Biket awi =
    Nim=081711733002 1 10=x V/pm=0 /pm/0=y(4)=204).
       x=0+0=0 3 4=0+2=2
               Mot dawn benga Pungs SCSI
   Ait - model
 Darub = Voss = 10 voit
       Wes = 10 rpm = 1,25 rpm
                          0,13 tod
 ViG) = 3
 Viss = (im
                     0,065
  k= cvss
      Viss
 Soninga Larat Liketin t = 2 = 2
            0,065
   scs)
              25 +1
                          O(8) =
                                       Wn
 6) diket 5 = 2
                               52+25 Wn(s) +Wn
      Cun = 8 rad/s
 Sulub =
                         6 = & wn
   Wa = con /1-(2)2
                          = 2.8 = 16
   = 8 /3 i
 who raik
           == 314-40,80 =
    (KKI)
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Lucky Pricat

$$fp = TI = 3.14$$
 $gp = TI = 3.14$ 
 $gp = TI = 3.14$ 

Fb: b d(x1-x2) Ft= ter (x-x2)

#FK1

-Acz

U(+) = 2 F/=1 = MI dix + b d(x1-x2) + k1 x1 + k2(x1-x2) Carrace U(s)=M, 52x1(s)+k, x,(s) +bs(x,(s)-x,cs))+k2(x,cs)-x2cs)) UCS) = XIG) (M, 52 + k, + k2 + bs) - X2G) (bs + k2). TINJAU MY Ftz = t3 x2 Fb= b'd (x2-x1) Fkz= ks (xz-x) EF X2 = 0 0 = M2 d24 + bd (x2-x1) + K3 X2+ k2 (x2-x1)

dt2 dt Capiaa = 6 = M2 52 x2(s) b5 (x2(s) - x1(s) + k3 x26) + k2 (x2(s) - x1(s)) x(cs) = ( Mes2 + bs + ks + kr ) x2 (1). 11 sinh Suptino han's m2 -> M1 UCS) = (M252+65+k3+k2) ×20) [M152+k1+k2+65] - ×20) [65+k2]2
65+k2 (bstk)(Ua) = [(m2s2 tbstK2+Ky)x2(s)][M1s2thyth2tbs] - x2(s) [bs+k]2. Make X2(3) = (CM252+63+k3+k2)(M152+K1+k2+61)-(65+K2)2