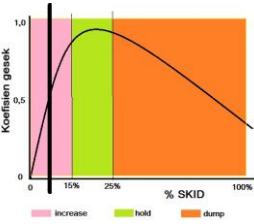
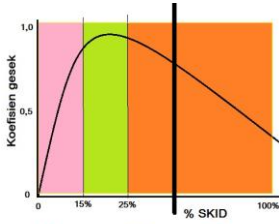
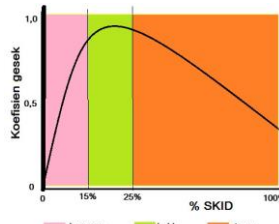
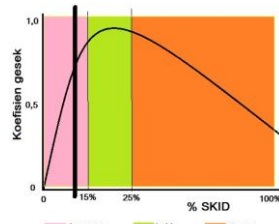


# MATRIK SISTEM KENDALI PERCEPATAN TCS

Pedal Gas : Diinjak Full  
 Torsi Kendaraan : 0 – 70% Torsi Mesin (FWD)  
 Tegangan Alternator : Diatas 14 Volt

Kondisi Steer : Lurus

Nama Mahasiswa :

PROSES		RODA																			
		FR				FL				RR				RL							
INPUT/SENSOR		<b>16 RPM</b>				<b>28 RPM</b>				<b>15 RPM</b>				<b>17 RPM</b>							
DIPROSES ECU-TCS	1) V rata-rata =	<b>%Skid =</b> $\{(16-15)/16\}.100\%=$ <b>6,25%</b>				<b>%Skid =</b> $\{(28-15)/28\}.100\%=$ <b>46,4%</b>				<b>%Skid =</b> $\{(15-15)/15\}.100\%=$ <b>0%</b>				<b>%Skid =</b> $\{(17-15)/17\}.100\%=$ <b>11,7%</b>							
	2) V dengan mengambil roda putaran terendah <b>15 RPM</b>																				
	3) V kendaraan dari sensor acc/deceleration =																				
Keputusan Kendali (Increase/Hold/Dump)		<b>DUMP</b>				<b>INCREASE</b>				<b>DUMP</b>				<b>DUMP</b>							
OUTPUT/ACTUATOR		Valve				POMPA	Valve				POMPA	Valve				POMPA	Valve				POMPA
		MV	RV	EV	AV		MV	RV	EV	AV		MV	RV	EV	AV		MV	RV	EV	AV	
Posisi Valve		<b>T</b>	<b>T</b>	<b>T</b>	<b>B</b>	<b>K</b>	<b>T</b>	<b>B</b>	<b>B</b>	<b>T</b>	<b>K</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>B</b>	<b>K</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>B</b>	<b>K</b>
Kendali solenoid oleh ECU-TCS-ABS		<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>	<b>OFF</b>	<b>OFF</b>		<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>

MV = Master Cut Valve (Normally Open) RV = Reservoir Cut Valve (Normally Closed) EV = Inlet ABS (Normally Opon) AV = Outlet ABS (Normally Closed)