

LAMPIRAN

Input buah naga super merah mentah Target buah naga super merah matang

```
%data input dan target
P=[0 1 1 1; 1 1 1 1; 1 1 1 1; 0 1 1 0];
T=[0 1 1 0; 1 1 1 1; 1 1 1 1; 1 1 1 0];

%Membangun jaringan syaraf feedforward
net = newff(minmax(P),[4 4],{'tansig' 'purelin'},'traingdm');

%melihat bobot-bobot awal input, lapisan, dan bias
BobotAwal_Input      = net.IW{1,1}
BobotAwal_Bias_Input = net.b{1,1}
BobotAwal_Lapisan    = net.LW{2,1}
BobotAwal_Bias_Lapisan = net.b{2,1}

%set max epoch, goal, learning rate, momentum, show step
net.trainParam.epoch = 50;
net.trainParam.goal   = 1e-3;
net.trainParam.lr     = 0.1;
net.trainParam.mc     = 0.3;
net.trainParam.show   = 10;

%melakukan pembelajaran
net = train(net,P,T);

%melihat kembali bobot penghitungan
BobotAwal_Input      = net.IW{1,1}
BobotAwal_Bias_Input = net.b{1,1}
BobotAwal_Lapisan    = net.LW{2,1}
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%melakukan simulasi
y = sim(net,P)

%menggambar plot grafik output
pause;
subplot (211)
plot(P(1,:),T,'bo',P(1,:),y,'r*');
title('Perbandingan antara target (o) dan Output jaringan (*)');
xlabel('input pertama');
ylabel('Target atau Output');
grid;
subplot (212)
plot(P(2,:),T,'bo',P(2,:),y,'r*');
title('Perbandingan antara target (o) dan Output jaringan (*)');
xlabel('input kedua');
ylabel('Target atau Output');
grid;
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Input buah naga super merah setengah matang target buah naga super merah matang

```
%data input dan target
P=[1 1 1 0; 1 1 1 1; 1 1 1 1; 0 1 1 1];
T=[0 1 1 0; 1 1 1 1; 1 1 1 1; 1 1 1 0];

%Membangun jaringan syaraf feedfoward
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BobotAwal_Bias_Input    = net.b{1,1}
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%set max epoh, goal, learning rate, momentum, show step
net.trainParam.epoch = 50;
net.trainParam.goal   = 1e-3;
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