

LAMPIRAN B

PROGRAM JARINGAN SARAF TIRUAN

**Kriteria 2 data MLII V1**  
**kriteria 2 subyek 1,3,5 JST A**

```
clear
clc

%untuk 4 layer data latih untuk subyek supra satu
segmen I
load norm_supra_a

input1_b7=[nsm1_a;nsv1_a];
input2_b7=[nsm2_a;nsv2_a];
input3_b7=[nsm3_a;nsv3_a];
input4_b7=[nsm4_a;nsv4_a];
input5_b7=[nsm5_a;nsv5_a];
input6_b7=[nsm6_a;nsv6_a];
input7_b7=[nsm7_a;nsv7_a];
input8_b7=[nsm8_a;nsv8_a];
input9_b7=[nsm9_a;nsv9_a];
input10_b7=[nsm10_a;nsv10_a];

%untuk 4 layer data latih untuk subyek supra dua
segmen I
load norm_supra_c

input11_b7=[nsm1_c;nsv1_c];
input12_b7=[nsm2_c;nsv2_c];
input13_b7=[nsm3_c;nsv3_c];
input14_b7=[nsm4_c;nsv4_c];
input15_b7=[nsm5_c;nsv5_c];
input16_b7=[nsm6_c;nsv6_c];
input17_b7=[nsm7_c;nsv7_c];
input18_b7=[nsm8_c;nsv8_c];
input19_b7=[nsm9_c;nsv9_c];
input20_b7=[nsm10_c;nsv10_c];

%untuk 4 layer data latih untuk subyek supra tiga
segmen I
load norm_supra_e

input21_b7=[nsm1_e;nsv1_e];
input22_b7=[nsm2_e;nsv2_e];
input23_b7=[nsm3_e;nsv3_e];
input24_b7=[nsm4_e;nsv4_e];
input25_b7=[nsm5_e;nsv5_e];
input26_b7=[nsm6_e;nsv6_e];
input27_b7=[nsm7_e;nsv7_e];
input28_b7=[nsm8_e;nsv8_e];
input29_b7=[nsm9_e;nsv9_e];
input30_b7=[nsm10_e;nsv10_e];

%untuk 4 layer data latih untuk subyek ventri
satu segmen I
load norm_ventri_a

input31_b7=[nvm1_a;nvv1_a];
input32_b7=[nvm2_a;nvv2_a];
input33_b7=[nvm3_a;nvv3_a];
input34_b7=[nvm4_a;nvv4_a];
input35_b7=[nvm5_a;nvv5_a];
input36_b7=[nvm6_a;nvv6_a];
input37_b7=[nvm7_a;nvv7_a];
input38_b7=[nvm8_a;nvv8_a];
input39_b7=[nvm9_a;nvv9_a];
```

```
input40_b7=[nvm10_a;nvv10_a];
%untuk 4 layer data latih untuk subyek ventri dua
segmen I
load norm_ventri_c

input41_b7=[nvm1_c;nvv1_c];
input42_b7=[nvm2_c;nvv2_c];
input43_b7=[nvm3_c;nvv3_c];
input44_b7=[nvm4_c;nvv4_c];
input45_b7=[nvm5_c;nvv5_c];
input46_b7=[nvm6_c;nvv6_c];
input47_b7=[nvm7_c;nvv7_c];
input48_b7=[nvm8_c;nvv8_c];
input49_b7=[nvm9_c;nvv9_c];
input50_b7=[nvm10_c;nvv10_c];

%untuk 4 layer data latih untuk subyek ventri tiga
segmen I
load norm_ventri_e

input51_b7=[nvm1_e;nvv1_e];
input52_b7=[nvm2_e;nvv2_e];
input53_b7=[nvm3_e;nvv3_e];
input54_b7=[nvm4_e;nvv4_e];
input55_b7=[nvm5_e;nvv5_e];
input56_b7=[nvm6_e;nvv6_e];
input57_b7=[nvm7_e;nvv7_e];
input58_b7=[nvm8_e;nvv8_e];
input59_b7=[nvm9_e;nvv9_e];
input60_b7=[nvm10_e;nvv10_e];

inputa=[input1_b7 input2_b7 input3_b7
input4_b7 input5_b7 input6_b7 input7_b7
input8_b7 input9_b7 input10_b7 input11_b7
input12_b7 input13_b7 input14_b7 input15_b7
input16_b7 input17_b7 input18_b7 input19_b7
input20_b7 input21_b7 input22_b7 input23_b7
input24_b7 input25_b7 input26_b7 input27_b7
input28_b7 input29_b7 input30_b7 input31_b7
input32_b7 input33_b7 input34_b7 input35_b7
input36_b7 input37_b7 input38_b7 input39_b7
input40_b7 input41_b7 input42_b7 input43_b7
input44_b7 input45_b7 input46_b7 input47_b7
input48_b7 input49_b7 input50_b7 input51_b7
input52_b7 input53_b7 input54_b7 input55_b7
input56_b7 input57_b7 input58_b7 input59_b7
input60_b7];
p=[0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1];
t=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1;1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0];

A=newff(p,[100,50,25,2],{'purelin','tansig',
'tansig','logsig'},'trainrp');
A.trainParam.show=50;
A.trainParam.lr=0.001;
A.trainParam.epochs=1000;
A.trainParam.goal=1e-5;
[A,tr]=train(A,inputa,t);
```

```
%untuk 4 layer data uji untuk subyek supra satu
segmen II
load norm_supra_a
```

```
input61_b7=[nsm11_a;nsv11_a];
input62_b7=[nsm12_a;nsv12_a];
input63_b7=[nsm13_a;nsv13_a];
input64_b7=[nsm14_a;nsv14_a];
input65_b7=[nsm15_a;nsv15_a];
input66_b7=[nsm16_a;nsv16_a];
input67_b7=[nsm17_a;nsv17_a];
input68_b7=[nsm18_a;nsv18_a];
input69_b7=[nsm19_a;nsv19_a];
input70_b7=[nsm20_a;nsv20_a];
```

```
%untuk 4 layer data uji untuk subyek supra dua
segmen II
load norm_supra_c
```

```
input71_b7=[nsm11_c;nsv11_c];
input72_b7=[nsm12_c;nsv12_c];
input73_b7=[nsm13_c;nsv13_c];
input74_b7=[nsm14_c;nsv14_c];
input75_b7=[nsm15_c;nsv15_c];
input76_b7=[nsm16_c;nsv16_c];
input77_b7=[nsm17_c;nsv17_c];
input78_b7=[nsm18_c;nsv18_c];
input79_b7=[nsm19_c;nsv19_c];
input80_b7=[nsm20_c;nsv20_c];
```

```
%untuk 4 layer data uji untuk subyek supra tiga
segmen II
load norm_supra_e
```

```
input81_b7=[nsm11_e;nsv11_e];
input82_b7=[nsm12_e;nsv12_e];
input83_b7=[nsm13_e;nsv13_e];
input84_b7=[nsm14_e;nsv14_e];
input85_b7=[nsm15_e;nsv15_e];
input86_b7=[nsm16_e;nsv16_e];
input87_b7=[nsm17_e;nsv17_e];
input88_b7=[nsm18_e;nsv18_e];
input89_b7=[nsm19_e;nsv19_e];
input90_b7=[nsm20_e;nsv20_e];
```

```
%untuk 4 layer data uji untuk subyek ventri satu
segmen II
load norm_ventri_a
```

```
input91_b7=[nvm11_a;nvv11_a];
input92_b7=[nvm12_a;nvv12_a];
input93_b7=[nvm13_a;nvv13_a];
input94_b7=[nvm14_a;nvv14_a];
input95_b7=[nvm15_a;nvv15_a];
input96_b7=[nvm16_a;nvv16_a];
input97_b7=[nvm17_a;nvv17_a];
input98_b7=[nvm18_a;nvv18_a];
input99_b7=[nvm19_a;nvv19_a];
input100_b7=[nvm20_a;nvv20_a];
```

```
%untuk 4 layer data uji untuk subyek ventri dua
segmen II
load norm_ventri_c
```

```
input101_b7=[nvm11_c;nvv11_c];
input102_b7=[nvm12_c;nvv12_c];
input103_b7=[nvm13_c;nvv13_c];
input104_b7=[nvm14_c;nvv14_c];
input105_b7=[nvm15_c;nvv15_c];
input106_b7=[nvm16_c;nvv16_c];
input107_b7=[nvm17_c;nvv17_c];
input108_b7=[nvm18_c;nvv18_c];
input109_b7=[nvm19_c;nvv19_c];
input110_b7=[nvm20_c;nvv20_c];
```

```
%untuk 4 layer data uji untuk subyek ventri tiga
segmen II
load norm_ventri_e
```

```
input111_b7=[nvm11_e;nvv11_e];
input112_b7=[nvm12_e;nvv12_e];
input113_b7=[nvm13_e;nvv13_e];
input114_b7=[nvm14_e;nvv14_e];
input115_b7=[nvm15_e;nvv15_e];
input116_b7=[nvm16_e;nvv16_e];
input117_b7=[nvm17_e;nvv17_e];
input118_b7=[nvm18_e;nvv18_e];
input119_b7=[nvm19_e;nvv19_e];
input120_b7=[nvm20_e;nvv20_e];
```

```
inputr=[input61_b7 input62_b7 input63_b7
input64_b7 input65_b7 input66_b7 input67_b7
input68_b7 input69_b7 input70_b7 input71_b7
input72_b7 input73_b7 input74_b7 input75_b7
input76_b7 input77_b7 input78_b7 input79_b7
input80_b7 input81_b7 input82_b7 input83_b7
input84_b7 input85_b7 input86_b7 input87_b7
input88_b7 input89_b7 input90_b7 input91_b7
input92_b7 input93_b7 input94_b7 input95_b7
input96_b7 input97_b7 input98_b7 input99_b7
input100_b7 input101_b7 input102_b7
input103_b7 input104_b7 input105_b7
input106_b7 input107_b7 input108_b7
input109_b7 input110_b7 input111_b7
input112_b7 input113_b7 input114_b7
input115_b7 input116_b7 input117_b7
input118_b7 input119_b7 input120_b7];
```

```
a=sim(A,inputr);
v=round(a);
save II_135_a_n
```

### kriteria 2 subyek 1,3,5 JST B

```
clear  
clc
```

```
%untuk 4 layer data latih untuk subyek supra satu  
segmen I  
load norm_supra_a
```

```
input1_b8=[nsm1_a;nsv1_a];  
input2_b8=[nsm2_a;nsv2_a];  
input3_b8=[nsm3_a;nsv3_a];  
input4_b8=[nsm4_a;nsv4_a];  
input5_b8=[nsm5_a;nsv5_a];  
input6_b8=[nsm6_a;nsv6_a];  
input7_b8=[nsm7_a;nsv7_a];  
input8_b8=[nsm8_a;nsv8_a];  
input9_b8=[nsm9_a;nsv9_a];  
input10_b8=[nsm10_a;nsv10_a];
```

```
%untuk 4 layer data latih untuk subyek supra dua  
segmen I  
load norm_supra_c
```

```
input11_b8=[nsm1_c;nsv1_c];  
input12_b8=[nsm2_c;nsv2_c];  
input13_b8=[nsm3_c;nsv3_c];  
input14_b8=[nsm4_c;nsv4_c];  
input15_b8=[nsm5_c;nsv5_c];  
input16_b8=[nsm6_c;nsv6_c];  
input17_b8=[nsm7_c;nsv7_c];  
input18_b8=[nsm8_c;nsv8_c];  
input19_b8=[nsm9_c;nsv9_c];  
input20_b8=[nsm10_c;nsv10_c];
```

```
%untuk 4 layer data latih untuk subyek supra tiga  
segmen I  
load norm_supra_e
```

```
input21_b8=[nsm1_e;nsv1_e];  
input22_b8=[nsm2_e;nsv2_e];  
input23_b8=[nsm3_e;nsv3_e];  
input24_b8=[nsm4_e;nsv4_e];  
input25_b8=[nsm5_e;nsv5_e];  
input26_b8=[nsm6_e;nsv6_e];  
input27_b8=[nsm7_e;nsv7_e];  
input28_b8=[nsm8_e;nsv8_e];  
input29_b8=[nsm9_e;nsv9_e];  
input30_b8=[nsm10_e;nsv10_e];
```

```
%untuk 4 layer data latih untuk subyek ventri  
satu segmen I  
load norm_ventri_a
```

```
input31_b8=[nvm1_a;nvv1_a];  
input32_b8=[nvm2_a;nvv2_a];  
input33_b8=[nvm3_a;nvv3_a];  
input34_b8=[nvm4_a;nvv4_a];  
input35_b8=[nvm5_a;nvv5_a];  
input36_b8=[nvm6_a;nvv6_a];  
input37_b8=[nvm7_a;nvv7_a];  
input38_b8=[nvm8_a;nvv8_a];  
input39_b8=[nvm9_a;nvv9_a];  
input40_b8=[nvm10_a;nvv10_a];
```

```
%untuk 4 layer data latih untuk subyek ventri dua  
segmen I  
load norm_ventri_c
```

```
input41_b8=[nvm1_c;nvv1_c];  
input42_b8=[nvm2_c;nvv2_c];  
input43_b8=[nvm3_c;nvv3_c];  
input44_b8=[nvm4_c;nvv4_c];  
input45_b8=[nvm5_c;nvv5_c];  
input46_b8=[nvm6_c;nvv6_c];  
input47_b8=[nvm7_c;nvv7_c];  
input48_b8=[nvm8_c;nvv8_c];  
input49_b8=[nvm9_c;nvv9_c];  
input50_b8=[nvm10_c;nvv10_c];
```

```
%untuk 4 layer data latih untuk subyek ventri tiga  
segmen I  
load norm_ventri_e
```

```
input51_b8=[nvm1_e;nvv1_e];  
input52_b8=[nvm2_e;nvv2_e];  
input53_b8=[nvm3_e;nvv3_e];  
input54_b8=[nvm4_e;nvv4_e];  
input55_b8=[nvm5_e;nvv5_e];  
input56_b8=[nvm6_e;nvv6_e];  
input57_b8=[nvm7_e;nvv7_e];  
input58_b8=[nvm8_e;nvv8_e];  
input59_b8=[nvm9_e;nvv9_e];  
input60_b8=[nvm10_e;nvv10_e];
```

```
inputa=[input1_b8 input2_b8 input3_b8  
input4_b8 input5_b8 input6_b8 input7_b8  
input8_b8 input9_b8 input10_b8 input11_b8  
input12_b8 input13_b8 input14_b8 input15_b8  
input16_b8 input17_b8 input18_b8 input19_b8  
input20_b8 input21_b8 input22_b8 input23_b8  
input24_b8 input25_b8 input26_b8 input27_b8  
input28_b8 input29_b8 input30_b8 input31_b8  
input32_b8 input33_b8 input34_b8 input35_b8  
input36_b8 input37_b8 input38_b8 input39_b8  
input40_b8 input41_b8 input42_b8 input43_b8  
input44_b8 input45_b8 input46_b8 input47_b8  
input48_b8 input49_b8 input50_b8 input51_b8  
input52_b8 input53_b8 input54_b8 input55_b8  
input56_b8 input57_b8 input58_b8 input59_b8  
input60_b8];  
p=[0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1];  
t=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
1 1 1 1 1 1 1 1; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0 0 0 0 0];
```

```
A=newff(p,[100,50,45,2],{'purelin','tansig',  
'tansig','logsig'},'trainrp');  
A.trainParam.show=50;  
A.trainParam.lr=0.001;  
A.trainParam.epochs=1000;  
A.trainParam.goal=1e-5;  
[A,tr]=train(A,inputa,t);
```

```
%untuk 4 layer data uji untuk subyek supra satu  
segmen II
```

```
load norm_supra_a
```

```
input61_b8=[nsm11_a;nsv11_a];  
input62_b8=[nsm12_a;nsv12_a];  
input63_b8=[nsm13_a;nsv13_a];  
input64_b8=[nsm14_a;nsv14_a];  
input65_b8=[nsm15_a;nsv15_a];  
input66_b8=[nsm16_a;nsv16_a];  
input67_b8=[nsm17_a;nsv17_a];  
input68_b8=[nsm18_a;nsv18_a];  
input69_b8=[nsm19_a;nsv19_a];  
input70_b8=[nsm20_a;nsv20_a];
```

```
%untuk 4 layer data uji untuk subyek supra dua  
segmen II
```

```
load norm_supra_c
```

```
input71_b8=[nsm11_c;nsv11_c];  
input72_b8=[nsm12_c;nsv12_c];  
input73_b8=[nsm13_c;nsv13_c];  
input74_b8=[nsm14_c;nsv14_c];  
input75_b8=[nsm15_c;nsv15_c];  
input76_b8=[nsm16_c;nsv16_c];  
input77_b8=[nsm17_c;nsv17_c];  
input78_b8=[nsm18_c;nsv18_c];  
input79_b8=[nsm19_c;nsv19_c];  
input80_b8=[nsm20_c;nsv20_c];
```

```
%untuk 4 layer data uji untuk subyek supra tiga  
segmen II
```

```
load norm_supra_e
```

```
input81_b8=[nsm11_e;nsv11_e];  
input82_b8=[nsm12_e;nsv12_e];  
input83_b8=[nsm13_e;nsv13_e];  
input84_b8=[nsm14_e;nsv14_e];  
input85_b8=[nsm15_e;nsv15_e];  
input86_b8=[nsm16_e;nsv16_e];  
input87_b8=[nsm17_e;nsv17_e];  
input88_b8=[nsm18_e;nsv18_e];  
input89_b8=[nsm19_e;nsv19_e];  
input90_b8=[nsm20_e;nsv20_e];
```

```
%untuk 4 layer data uji untuk subyek ventri satu  
segmen II
```

```
load norm_ventri_a
```

```
input91_b8=[nvm11_a;nvv11_a];  
input92_b8=[nvm12_a;nvv12_a];  
input93_b8=[nvm13_a;nvv13_a];  
input94_b8=[nvm14_a;nvv14_a];  
input95_b8=[nvm15_a;nvv15_a];  
input96_b8=[nvm16_a;nvv16_a];  
input97_b8=[nvm17_a;nvv17_a];  
input98_b8=[nvm18_a;nvv18_a];  
input99_b8=[nvm19_a;nvv19_a];  
input100_b8=[nvm20_a;nvv20_a];
```

```
%untuk 4 layer data uji untuk subyek ventri dua  
segmen II
```

```
load norm_ventri_c
```

```
input101_b8=[nvm11_c;nvv11_c];
```

```
input102_b8=[nvm12_c;nvv12_c];  
input103_b8=[nvm13_c;nvv13_c];  
input104_b8=[nvm14_c;nvv14_c];  
input105_b8=[nvm15_c;nvv15_c];  
input106_b8=[nvm16_c;nvv16_c];  
input107_b8=[nvm17_c;nvv17_c];  
input108_b8=[nvm18_c;nvv18_c];  
input109_b8=[nvm19_c;nvv19_c];  
input110_b8=[nvm20_c;nvv20_c];
```

```
%untuk 4 layer data uji untuk subyek ventri tiga  
segmen II
```

```
load norm_ventri_e
```

```
input111_b8=[nvm11_e;nvv11_e];  
input112_b8=[nvm12_e;nvv12_e];  
input113_b8=[nvm13_e;nvv13_e];  
input114_b8=[nvm14_e;nvv14_e];  
input115_b8=[nvm15_e;nvv15_e];  
input116_b8=[nvm16_e;nvv16_e];  
input117_b8=[nvm17_e;nvv17_e];  
input118_b8=[nvm18_e;nvv18_e];  
input119_b8=[nvm19_e;nvv19_e];  
input120_b8=[nvm20_e;nvv20_e];
```

```
inputr=[input61_b8 input62_b8 input63_b8  
input64_b8 input65_b8 input66_b8 input67_b8  
input68_b8 input69_b8 input70_b8 input71_b8  
input72_b8 input73_b8 input74_b8 input75_b8  
input76_b8 input77_b8 input78_b8 input79_b8  
input80_b8 input81_b8 input82_b8 input83_b8  
input84_b8 input85_b8 input86_b8 input87_b8  
input88_b8 input89_b8 input90_b8 input91_b8  
input92_b8 input93_b8 input94_b8 input95_b8  
input96_b8 input97_b8 input98_b8 input99_b8  
input100_b8 input101_b8 input102_b8  
input103_b8 input104_b8 input105_b8  
input106_b8 input107_b8 input108_b8  
input109_b8 input110_b8 input111_b8  
input112_b8 input113_b8 input114_b8  
input115_b8 input116_b8 input117_b8  
input118_b8 input119_b8 input120_b8];
```

```
a=sim(A,inputr);
```

```
v=round(a);
```

```
save II_135_b_n
```

**kriteria 2 subyek 1,3,5 JST C**

```
clear
clc

%untuk 4 layer data latih untuk subyek supra satu
segmen I
load norm_supra_a

input1_b9=[nsm1_a;nsv1_a];
input2_b9=[nsm2_a;nsv2_a];
input3_b9=[nsm3_a;nsv3_a];
input4_b9=[nsm4_a;nsv4_a];
input5_b9=[nsm5_a;nsv5_a];
input6_b9=[nsm6_a;nsv6_a];
input7_b9=[nsm7_a;nsv7_a];
input8_b9=[nsm8_a;nsv8_a];
input9_b9=[nsm9_a;nsv9_a];
input10_b9=[nsm10_a;nsv10_a];

%untuk 4 layer data latih untuk subyek supra dua
segmen I
load norm_supra_c

input11_b9=[nsm1_c;nsv1_c];
input12_b9=[nsm2_c;nsv2_c];
input13_b9=[nsm3_c;nsv3_c];
input14_b9=[nsm4_c;nsv4_c];
input15_b9=[nsm5_c;nsv5_c];
input16_b9=[nsm6_c;nsv6_c];
input17_b9=[nsm7_c;nsv7_c];
input18_b9=[nsm8_c;nsv8_c];
input19_b9=[nsm9_c;nsv9_c];
input20_b9=[nsm10_c;nsv10_c];

%untuk 4 layer data latih untuk subyek supra tiga
segmen I
load norm_supra_e

input21_b9=[nsm1_e;nsv1_e];
input22_b9=[nsm2_e;nsv2_e];
input23_b9=[nsm3_e;nsv3_e];
input24_b9=[nsm4_e;nsv4_e];
input25_b9=[nsm5_e;nsv5_e];
input26_b9=[nsm6_e;nsv6_e];
input27_b9=[nsm7_e;nsv7_e];
input28_b9=[nsm8_e;nsv8_e];
input29_b9=[nsm9_e;nsv9_e];
input30_b9=[nsm10_e;nsv10_e];

%untuk 4 layer data latih untuk subyek ventri
satu segmen I
load norm_ventri_a

input31_b9=[nvm1_a;nvv1_a];
input32_b9=[nvm2_a;nvv2_a];
input33_b9=[nvm3_a;nvv3_a];
input34_b9=[nvm4_a;nvv4_a];
input35_b9=[nvm5_a;nvv5_a];
input36_b9=[nvm6_a;nvv6_a];
input37_b9=[nvm7_a;nvv7_a];
input38_b9=[nvm8_a;nvv8_a];
input39_b9=[nvm9_a;nvv9_a];
input40_b9=[nvm10_a;nvv10_a];
```

```
%untuk 4 layer data latih untuk subyek ventri dua
segmen I
load norm_ventri_c
```

```
input41_b9=[nvm1_c;nvv1_c];
input42_b9=[nvm2_c;nvv2_c];
input43_b9=[nvm3_c;nvv3_c];
input44_b9=[nvm4_c;nvv4_c];
input45_b9=[nvm5_c;nvv5_c];
input46_b9=[nvm6_c;nvv6_c];
input47_b9=[nvm7_c;nvv7_c];
input48_b9=[nvm8_c;nvv8_c];
input49_b9=[nvm9_c;nvv9_c];
input50_b9=[nvm10_c;nvv10_c];
```

```
%untuk 4 layer data latih untuk subyek ventri tiga
segmen I
load norm_ventri_e
```

```
input51_b9=[nvm1_e;nvv1_e];
input52_b9=[nvm2_e;nvv2_e];
input53_b9=[nvm3_e;nvv3_e];
input54_b9=[nvm4_e;nvv4_e];
input55_b9=[nvm5_e;nvv5_e];
input56_b9=[nvm6_e;nvv6_e];
input57_b9=[nvm7_e;nvv7_e];
input58_b9=[nvm8_e;nvv8_e];
input59_b9=[nvm9_e;nvv9_e];
input60_b9=[nvm10_e;nvv10_e];
```

```
inputa=[input1_b9 input2_b9 input3_b9
input4_b9 input5_b9 input6_b9 input7_b9
input8_b9 input9_b9 input10_b9 input11_b9
input12_b9 input13_b9 input14_b9 input15_b9
input16_b9 input17_b9 input18_b9 input19_b9
input20_b9 input21_b9 input22_b9 input23_b9
input24_b9 input25_b9 input26_b9 input27_b9
input28_b9 input29_b9 input30_b9 input31_b9
input32_b9 input33_b9 input34_b9 input35_b9
input36_b9 input37_b9 input38_b9 input39_b9
input40_b9 input41_b9 input42_b9 input43_b9
input44_b9 input45_b9 input46_b9 input47_b9
input48_b9 input49_b9 input50_b9 input51_b9
input52_b9 input53_b9 input54_b9 input55_b9
input56_b9 input57_b9 input58_b9 input59_b9
input60_b9];
p=[0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1; 0 1];
t=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0];
```

```
A=newff(p,[100,70,25,2],{'purelin','tansig',
'tansig','logsig'},'trainrp');
A.trainParam.show=50;
A.trainParam.lr=0.001;
A.trainParam.epochs=1000;
A.trainParam.goal=1e-5;
[A,tr]=train(A,inputa,t);
```

```
%untuk 4 layer data uji untuk subyek supra satu
segmen II
```

```
load norm_supra_a
```

```
input61_b9=[nsm11_a;nsv11_a];  
input62_b9=[nsm12_a;nsv12_a];  
input63_b9=[nsm13_a;nsv13_a];  
input64_b9=[nsm14_a;nsv14_a];  
input65_b9=[nsm15_a;nsv15_a];  
input66_b9=[nsm16_a;nsv16_a];  
input67_b9=[nsm17_a;nsv17_a];  
input68_b9=[nsm18_a;nsv18_a];  
input69_b9=[nsm19_a;nsv19_a];  
input70_b9=[nsm20_a;nsv20_a];
```

```
%untuk 4 layer data uji untuk subyek supra dua  
segmen II
```

```
load norm_supra_c
```

```
input71_b9=[nsm11_c;nsv11_c];  
input72_b9=[nsm12_c;nsv12_c];  
input73_b9=[nsm13_c;nsv13_c];  
input74_b9=[nsm14_c;nsv14_c];  
input75_b9=[nsm15_c;nsv15_c];  
input76_b9=[nsm16_c;nsv16_c];  
input77_b9=[nsm17_c;nsv17_c];  
input78_b9=[nsm18_c;nsv18_c];  
input79_b9=[nsm19_c;nsv19_c];  
input80_b9=[nsm20_c;nsv20_c];
```

```
%untuk 4 layer data uji untuk subyek supra tiga  
segmen II
```

```
load norm_supra_e
```

```
input81_b9=[nsm11_e;nsv11_e];  
input82_b9=[nsm12_e;nsv12_e];  
input83_b9=[nsm13_e;nsv13_e];  
input84_b9=[nsm14_e;nsv14_e];  
input85_b9=[nsm15_e;nsv15_e];  
input86_b9=[nsm16_e;nsv16_e];  
input87_b9=[nsm17_e;nsv17_e];  
input88_b9=[nsm18_e;nsv18_e];  
input89_b9=[nsm19_e;nsv19_e];  
input90_b9=[nsm20_e;nsv20_e];
```

```
%untuk 4 layer data uji untuk subyek ventri satu  
segmen II
```

```
load norm_ventri_a
```

```
input91_b9=[nvm11_a;nvv11_a];  
input92_b9=[nvm12_a;nvv12_a];  
input93_b9=[nvm13_a;nvv13_a];  
input94_b9=[nvm14_a;nvv14_a];  
input95_b9=[nvm15_a;nvv15_a];  
input96_b9=[nvm16_a;nvv16_a];  
input97_b9=[nvm17_a;nvv17_a];  
input98_b9=[nvm18_a;nvv18_a];  
input99_b9=[nvm19_a;nvv19_a];  
input100_b9=[nvm20_a;nvv20_a];
```

```
%untuk 4 layer data uji untuk subyek ventri dua  
segmen II
```

```
load norm_ventri_c
```

```
input101_b9=[nvm11_c;nvv11_c];
```

```
input102_b9=[nvm12_c;nvv12_c];  
input103_b9=[nvm13_c;nvv13_c];  
input104_b9=[nvm14_c;nvv14_c];  
input105_b9=[nvm15_c;nvv15_c];  
input106_b9=[nvm16_c;nvv16_c];  
input107_b9=[nvm17_c;nvv17_c];  
input108_b9=[nvm18_c;nvv18_c];  
input109_b9=[nvm19_c;nvv19_c];  
input110_b9=[nvm20_c;nvv20_c];
```

```
%untuk 4 layer data uji untuk subyek ventri tiga  
segmen II
```

```
load norm_ventri_e
```

```
input111_b9=[nvm11_e;nvv11_e];  
input112_b9=[nvm12_e;nvv12_e];  
input113_b9=[nvm13_e;nvv13_e];  
input114_b9=[nvm14_e;nvv14_e];  
input115_b9=[nvm15_e;nvv15_e];  
input116_b9=[nvm16_e;nvv16_e];  
input117_b9=[nvm17_e;nvv17_e];  
input118_b9=[nvm18_e;nvv18_e];  
input119_b9=[nvm19_e;nvv19_e];  
input120_b9=[nvm20_e;nvv20_e];
```

```
inputr=[input61_b9 input62_b9 input63_b9  
input64_b9 input65_b9 input66_b9 input67_b9  
input68_b9 input69_b9 input70_b9 input71_b9  
input72_b9 input73_b9 input74_b9 input75_b9  
input76_b9 input77_b9 input78_b9 input79_b9  
input80_b9 input81_b9 input82_b9 input83_b9  
input84_b9 input85_b9 input86_b9 input87_b9  
input88_b9 input89_b9 input90_b9 input91_b9  
input92_b9 input93_b9 input94_b9 input95_b9  
input96_b9 input97_b9 input98_b9 input99_b9  
input100_b9 input101_b9 input102_b9  
input103_b9 input104_b9 input105_b9  
input106_b9 input107_b9 input108_b9  
input109_b9 input110_b9 input111_b9  
input112_b9 input113_b9 input114_b9  
input115_b9 input116_b9 input117_b9  
input118_b9 input119_b9 input120_b9];
```

```
a=sim(A,inputr);
```

```
v=round(a);
```

```
save II_135_c_n
```

### Kriteria 3 Data Sig 0

#### Kriteria 3 subyek 2,5,6\_3,4,7 JST D

```
clear
clc

%untuk 4 layer data latih untuk subyek supra satu
load norm_supra_b

input1_c22=[nss1_b];
input2_c22=[nss2_b];
input3_c22=[nss3_b];
input4_c22=[nss4_b];
input5_c22=[nss5_b];
input6_c22=[nss6_b];
input7_c22=[nss7_b];
input8_c22=[nss8_b];
input9_c22=[nss9_b];
input10_c22=[nss10_b];

%untuk 4 layer data latih untuk subyek supra dua
load norm_supra_e

input11_c22=[nss1_e];
input12_c22=[nss2_e];
input13_c22=[nss3_e];
input14_c22=[nss4_e];
input15_c22=[nss5_e];
input16_c22=[nss6_e];
input17_c22=[nss7_e];
input18_c22=[nss8_e];
input19_c22=[nss9_e];
input20_c22=[nss10_e];

%untuk 4 layer data latih untuk subyek supra tiga
load norm_supra_f

input21_c22=[nss1_f];
input22_c22=[nss2_f];
input23_c22=[nss3_f];
input24_c22=[nss4_f];
input25_c22=[nss5_f];
input26_c22=[nss6_f];
input27_c22=[nss7_f];
input28_c22=[nss8_f];
input29_c22=[nss9_f];
input30_c22=[nss10_f];

%untuk 4 layer data latih untuk subyek ventri
satu
load norm_ventri_b

input31_c22=[nvs1_b];
input32_c22=[nvs2_b];
input33_c22=[nvs3_b];
input34_c22=[nvs4_b];
input35_c22=[nvs5_b];
input36_c22=[nvs6_b];
input37_c22=[nvs7_b];
input38_c22=[nvs8_b];
input39_c22=[nvs9_b];
input40_c22=[nvs10_b];

%untuk 4 layer data latih untuk subyek ventri dua

load norm_ventri_e
input41_c22=[nvs1_e];
input42_c22=[nvs2_e];
input43_c22=[nvs3_e];
input44_c22=[nvs4_e];
input45_c22=[nvs5_e];
input46_c22=[nvs6_e];
input47_c22=[nvs7_e];
input48_c22=[nvs8_e];
input49_c22=[nvs9_e];
input50_c22=[nvs10_e];

%untuk 4 layer data latih untuk subyek ventri tiga
load norm_ventri_f

input51_c22=[nvs1_f];
input52_c22=[nvs2_f];
input53_c22=[nvs3_f];
input54_c22=[nvs4_f];
input55_c22=[nvs5_f];
input56_c22=[nvs6_f];
input57_c22=[nvs7_f];
input58_c22=[nvs8_f];
input59_c22=[nvs9_f];
input60_c22=[nvs10_f];

inputa=[input1_c22 input2_c22 input3_c22
input4_c22 input5_c22 input6_c22 input7_c22
input8_c22 input9_c22 input10_c22 input11_c22
input12_c22 input13_c22 input14_c22
input15_c22 input16_c22 input17_c22
input18_c22 input19_c22 input20_c22
input21_c22 input22_c22 input23_c22
input24_c22 input25_c22 input26_c22
input27_c22 input28_c22 input29_c22
input30_c22 input31_c22 input32_c22
input33_c22 input34_c22 input35_c22
input36_c22 input37_c22 input38_c22
input39_c22 input40_c22 input41_c22
input42_c22 input43_c22 input44_c22
input45_c22 input46_c22 input47_c22
input48_c22 input49_c22 input50_c22
input51_c22 input52_c22 input53_c22
input54_c22 input55_c22 input56_c22
input57_c22 input58_c22 input59_c22
input60_c22];
p=[0 1; 0 1; 0 1; 0 1];
t=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1;1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0];

A=newff(p,[100,70,45,2],{'purelin','tansig',
'tansig','logsig'},'trainrp');
A.trainParam.show=30;
A.trainParam.lr=0.001;
A.trainParam.epochs=1000;
A.trainParam.goal=1e-5;
[A,tr]=train(A,inputa,t);

%untuk 4 layer data uji untuk subyek supra satu
load norm_supra_c
```



```

input61_c22=[nss11_c];
input62_c22=[nss12_c];
input63_c22=[nss13_c];
input64_c22=[nss14_c];
input65_c22=[nss15_c];
input66_c22=[nss16_c];
input67_c22=[nss17_c];
input68_c22=[nss18_c];
input69_c22=[nss19_c];
input70_c22=[nss20_c];

%untuk 4 layer data uji untuk subyek supra dua
load norm_supra_d

input71_c22=[nss11_d];
input72_c22=[nss12_d];
input73_c22=[nss13_d];
input74_c22=[nss14_d];
input75_c22=[nss15_d];
input76_c22=[nss16_d];
input77_c22=[nss17_d];
input78_c22=[nss18_d];
input79_c22=[nss19_d];
input80_c22=[nss20_d];

%untuk 4 layer data uji untuk subyek supra tiga
load norm_supra_g

input81_c22=[nss11_g];
input82_c22=[nss12_g];
input83_c22=[nss13_g];
input84_c22=[nss14_g];
input85_c22=[nss15_g];
input86_c22=[nss16_g];
input87_c22=[nss17_g];
input88_c22=[nss18_g];
input89_c22=[nss19_g];
input90_c22=[nss20_g];

%untuk 4 layer data uji untuk subyek ventri satu
load norm_ventri_c

input91_c22=[nvs11_c];
input92_c22=[nvs12_c];
input93_c22=[nvs13_c];
input94_c22=[nvs14_c];
input95_c22=[nvs15_c];
input96_c22=[nvs16_c];
input97_c22=[nvs17_c];
input98_c22=[nvs18_c];
input99_c22=[nvs19_c];
input100_c22=[nvs20_c];

%untuk 4 layer data uji untuk subyek ventri dua
load norm_ventri_d

input101_c22=[nvs11_d];
input102_c22=[nvs12_d];
input103_c22=[nvs13_d];
input104_c22=[nvs14_d];
input105_c22=[nvs15_d];
input106_c22=[nvs16_d];
input107_c22=[nvs17_d];

input108_c22=[nvs18_d];
input109_c22=[nvs19_d];
input110_c22=[nvs20_d];

%untuk 4 layer data uji untuk subyek ventri tiga
load norm_ventri_g

input111_c22=[nvs11_g];
input112_c22=[nvs12_g];
input113_c22=[nvs13_g];
input114_c22=[nvs14_g];
input115_c22=[nvs15_g];
input116_c22=[nvs16_g];
input117_c22=[nvs17_g];
input118_c22=[nvs18_g];
input119_c22=[nvs19_g];
input120_c22=[nvs20_g];

inputr=[input61_c22 input62_c22 input63_c22
input64_c22 input65_c22 input66_c22
input67_c22 input68_c22 input69_c22
input70_c22 input71_c22 input72_c22
input73_c22 input74_c22 input75_c22
input76_c22 input77_c22 input78_c22
input79_c22 input80_c22 input81_c22
input82_c22 input83_c22 input84_c22
input85_c22 input86_c22 input87_c22
input88_c22 input89_c22 input90_c22
input91_c22 input92_c22 input93_c22
input94_c22 input95_c22 input96_c22
input97_c22 input98_c22 input99_c22
input100_c22 input101_c22 input102_c22
input103_c22 input104_c22 input105_c22
input106_c22 input107_c22 input108_c22
input109_c22 input110_c22 input111_c22
input112_c22 input113_c22 input114_c22
input115_c22 input116_c22 input117_c22
input118_c22 input119_c22 input120_c22];

a=sim(A,inputr);
v=round(a)

save III_256_d_347_n

```

**kriteria 3 subyek 12,5,6\_3,4,7JST E**

```
clear  
clc
```

```
%untuk 4 layer data latih untuk subyek supra satu  
load norm_supra_b
```

```
input1_c23=[nss1_b];  
input2_c23=[nss2_b];  
input3_c23=[nss3_b];  
input4_c23=[nss4_b];  
input5_c23=[nss5_b];  
input6_c23=[nss6_b];  
input7_c23=[nss7_b];  
input8_c23=[nss8_b];  
input9_c23=[nss9_b];  
input10_c23=[nss10_b];
```

```
%untuk 4 layer data latih untuk subyek supra dua  
load norm_supra_e
```

```
input11_c23=[nss1_e];  
input12_c23=[nss2_e];  
input13_c23=[nss3_e];  
input14_c23=[nss4_e];  
input15_c23=[nss5_e];  
input16_c23=[nss6_e];  
input17_c23=[nss7_e];  
input18_c23=[nss8_e];  
input19_c23=[nss9_e];  
input20_c23=[nss10_e];
```

```
%untuk 4 layer data latih untuk subyek supra tiga  
load norm_supra_f
```

```
input21_c23=[nss1_f];  
input22_c23=[nss2_f];  
input23_c23=[nss3_f];  
input24_c23=[nss4_f];  
input25_c23=[nss5_f];  
input26_c23=[nss6_f];  
input27_c23=[nss7_f];  
input28_c23=[nss8_f];  
input29_c23=[nss9_f];  
input30_c23=[nss10_f];
```

```
%untuk 4 layer data latih untuk subyek ventri  
satu  
load norm_ventri_b
```

```
input31_c23=[nvs1_b];  
input32_c23=[nvs2_b];  
input33_c23=[nvs3_b];  
input34_c23=[nvs4_b];  
input35_c23=[nvs5_b];  
input36_c23=[nvs6_b];  
input37_c23=[nvs7_b];  
input38_c23=[nvs8_b];  
input39_c23=[nvs9_b];  
input40_c23=[nvs10_b];
```

```
%untuk 4 layer data latih untuk subyek ventri dua  
load norm_ventri_e
```

```
input41_c23=[nvs1_e];  
input42_c23=[nvs2_e];  
input43_c23=[nvs3_e];  
input44_c23=[nvs4_e];  
input45_c23=[nvs5_e];  
input46_c23=[nvs6_e];  
input47_c23=[nvs7_e];  
input48_c23=[nvs8_e];  
input49_c23=[nvs9_e];  
input50_c23=[nvs10_e];
```

```
%untuk 4 layer data latih untuk subyek ventri tiga  
load norm_ventri_f
```

```
input51_c23=[nvs1_f];  
input52_c23=[nvs2_f];  
input53_c23=[nvs3_f];  
input54_c23=[nvs4_f];  
input55_c23=[nvs5_f];  
input56_c23=[nvs6_f];  
input57_c23=[nvs7_f];  
input58_c23=[nvs8_f];  
input59_c23=[nvs9_f];  
input60_c23=[nvs10_f];
```

```
inputa=[input1_c23 input2_c23 input3_c23  
input4_c23 input5_c23 input6_c23 input7_c23  
input8_c23 input9_c23 input10_c23 input11_c23
```

```
input12_c23 input13_c23 input14_c23  
input15_c23 input16_c23 input17_c23  
input18_c23 input19_c23 input20_c23  
input21_c23 input22_c23 input23_c23  
input24_c23 input25_c23 input26_c23  
input27_c23 input28_c23 input29_c23  
input30_c23 input31_c23 input32_c23  
input33_c23 input34_c23 input35_c23  
input36_c23 input37_c23 input38_c23  
input39_c23 input40_c23 input41_c23  
input42_c23 input43_c23 input44_c23  
input45_c23 input46_c23 input47_c23  
input48_c23 input49_c23 input50_c23  
input51_c23 input52_c23 input53_c23  
input54_c23 input55_c23 input56_c23  
input57_c23 input58_c23 input59_c23  
input60_c23];
```

```
p=[0 1; 0 1; 0 1; 0 1];
```

```
t=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
1 1 1 1 1 1 1 1; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0 0 0 0 0 0];
```

```
A=newff(p,[100,80,25,2],{'purelin','tansig',  
'tansig','logsig'},'trainrp');  
A.trainParam.show=30;  
A.trainParam.lr=0.001;  
A.trainParam.epochs=1000;  
A.trainParam.goal=1e-5;  
[A,tr]=train(A,inputa,t);
```

```
%untuk 4 layer data uji untuk subyek supra satu  
load norm_supra_c
```

```

input61_c23=[nss11_c];
input62_c23=[nss12_c];
input63_c23=[nss13_c];
input64_c23=[nss14_c];
input65_c23=[nss15_c];
input66_c23=[nss16_c];
input67_c23=[nss17_c];
input68_c23=[nss18_c];
input69_c23=[nss19_c];
input70_c23=[nss20_c];

%untuk 4 layer data uji untuk subyek supra dua
load norm_supra_d

input71_c23=[nss11_d];
input72_c23=[nss12_d];
input73_c23=[nss13_d];
input74_c23=[nss14_d];
input75_c23=[nss15_d];
input76_c23=[nss16_d];
input77_c23=[nss17_d];
input78_c23=[nss18_d];
input79_c23=[nss19_d];
input80_c23=[nss20_d];

%untuk 4 layer data uji untuk subyek supra tiga
load norm_supra_g

input81_c23=[nss11_g];
input82_c23=[nss12_g];
input83_c23=[nss13_g];
input84_c23=[nss14_g];
input85_c23=[nss15_g];
input86_c23=[nss16_g];
input87_c23=[nss17_g];
input88_c23=[nss18_g];
input89_c23=[nss19_g];
input90_c23=[nss20_g];

%untuk 4 layer data uji untuk subyek ventri satu
load norm_ventri_c

input91_c23=[nvs11_c];
input92_c23=[nvs12_c];
input93_c23=[nvs13_c];
input94_c23=[nvs14_c];
input95_c23=[nvs15_c];
input96_c23=[nvs16_c];
input97_c23=[nvs17_c];
input98_c23=[nvs18_c];
input99_c23=[nvs19_c];
input100_c23=[nvs20_c];

%untuk 4 layer data uji untuk subyek ventri dua
load norm_ventri_d

input101_c23=[nvs11_d];
input102_c23=[nvs12_d];
input103_c23=[nvs13_d];
input104_c23=[nvs14_d];
input105_c23=[nvs15_d];
input106_c23=[nvs16_d];
input107_c23=[nvs17_d];

input108_c23=[nvs18_d];
input109_c23=[nvs19_d];
input110_c23=[nvs20_d];

%untuk 4 layer data uji untuk subyek ventri tiga
load norm_ventri_g

input111_c23=[nvs11_g];
input112_c23=[nvs12_g];
input113_c23=[nvs13_g];
input114_c23=[nvs14_g];
input115_c23=[nvs15_g];
input116_c23=[nvs16_g];
input117_c23=[nvs17_g];
input118_c23=[nvs18_g];
input119_c23=[nvs19_g];
input120_c23=[nvs20_g];

inputr=[input61_c23 input62_c23 input63_c23
input64_c23 input65_c23 input66_c23
input67_c23 input68_c23 input69_c23
input70_c23 input71_c23 input72_c23
input73_c23 input74_c23 input75_c23
input76_c23 input77_c23 input78_c23
input79_c23 input80_c23 input81_c23
input82_c23 input83_c23 input84_c23
input85_c23 input86_c23 input87_c23
input88_c23 input89_c23 input90_c23
input91_c23 input92_c23 input93_c23
input94_c23 input95_c23 input96_c23
input97_c23 input98_c23 input99_c23
input100_c23 input101_c23 input102_c23
input103_c23 input104_c23 input105_c23
input106_c23 input107_c23 input108_c23
input109_c23 input110_c23 input111_c23
input112_c23 input113_c23 input114_c23
input115_c23 input116_c23 input117_c23
input118_c23 input119_c23 input120_c23];

a=sim(A,inputr);
v=round(a)

save III_256_e_347_n

```

**kriteria 3 subyek 2,5,6\_3,4,7 JST F**

```
clear
clc
```

```
%untuk 4 layer data latih untuk subyek supra satu
load norm_supra_b
```

```
input1_c24=[nss1_b];
input2_c24=[nss2_b];
input3_c24=[nss3_b];
input4_c24=[nss4_b];
input5_c24=[nss5_b];
input6_c24=[nss6_b];
input7_c24=[nss7_b];
input8_c24=[nss8_b];
input9_c24=[nss9_b];
input10_c24=[nss10_b];
```

```
%untuk 4 layer data latih untuk subyek supra dua
load norm_supra_e
```

```
input11_c24=[nss1_e];
input12_c24=[nss2_e];
input13_c24=[nss3_e];
input14_c24=[nss4_e];
input15_c24=[nss5_e];
input16_c24=[nss6_e];
input17_c24=[nss7_e];
input18_c24=[nss8_e];
input19_c24=[nss9_e];
input20_c24=[nss10_e];
```

```
%untuk 4 layer data latih untuk subyek supra tiga
load norm_supra_f
```

```
input21_c24=[nss1_f];
input22_c24=[nss2_f];
input23_c24=[nss3_f];
input24_c24=[nss4_f];
input25_c24=[nss5_f];
input26_c24=[nss6_f];
input27_c24=[nss7_f];
input28_c24=[nss8_f];
input29_c24=[nss9_f];
input30_c24=[nss10_f];
```

```
%untuk 4 layer data latih untuk subyek ventri
satu
```

```
load norm_ventri_b
```

```
input31_c24=[nvs1_b];
input32_c24=[nvs2_b];
input33_c24=[nvs3_b];
input34_c24=[nvs4_b];
input35_c24=[nvs5_b];
input36_c24=[nvs6_b];
input37_c24=[nvs7_b];
input38_c24=[nvs8_b];
input39_c24=[nvs9_b];
input40_c24=[nvs10_b];
```

```
%untuk 4 layer data latih untuk subyek ventri dua
load norm_ventri_e
```

```
input41_c24=[nvs1_e];
input42_c24=[nvs2_e];
input43_c24=[nvs3_e];
input44_c24=[nvs4_e];
input45_c24=[nvs5_e];
input46_c24=[nvs6_e];
input47_c24=[nvs7_e];
input48_c24=[nvs8_e];
input49_c24=[nvs9_e];
input50_c24=[nvs10_e];
```

```
%untuk 4 layer data latih untuk subyek ventri tiga
load norm_ventri_f
```

```
input51_c24=[nvs1_f];
input52_c24=[nvs2_f];
input53_c24=[nvs3_f];
input54_c24=[nvs4_f];
input55_c24=[nvs5_f];
input56_c24=[nvs6_f];
input57_c24=[nvs7_f];
input58_c24=[nvs8_f];
input59_c24=[nvs9_f];
input60_c24=[nvs10_f];
```

```
inputa=[input1_c24 input2_c24 input3_c24
input4_c24 input5_c24 input6_c24 input7_c24
input8_c24 input9_c24 input10_c24 input11_c24
input12_c24 input13_c24 input14_c24
input15_c24 input16_c24 input17_c24
input18_c24 input19_c24 input20_c24
input21_c24 input22_c24 input23_c24
input24_c24 input25_c24 input26_c24
input27_c24 input28_c24 input29_c24
input30_c24 input31_c24 input32_c24
input33_c24 input34_c24 input35_c24
input36_c24 input37_c24 input38_c24
input39_c24 input40_c24 input41_c24
input42_c24 input43_c24 input44_c24
input45_c24 input46_c24 input47_c24
input48_c24 input49_c24 input50_c24
input51_c24 input52_c24 input53_c24
input54_c24 input55_c24 input56_c24
input57_c24 input58_c24 input59_c24
input60_c24];
```

```
p=[0 1; 0 1; 0 1; 0 1];
```

```
t=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0];
```

```
A=newff(p,[100,80,45,2],{'purelin','tansig','tansig'
,'logsig'},'trainrp');
A.trainParam.show=30;
A.trainParam.lr=0.001;
A.trainParam.epochs=1000;
A.trainParam.goal=1e-5;
[A,tr]=train(A,inputa,t);
```

```
%untuk 4 layer data uji untuk subyek supra satu
load norm_supra_c
```

```

input61_c24=[nss11_c];
input62_c24=[nss12_c];
input63_c24=[nss13_c];
input64_c24=[nss14_c];
input65_c24=[nss15_c];
input66_c24=[nss16_c];
input67_c24=[nss17_c];
input68_c24=[nss18_c];
input69_c24=[nss19_c];
input70_c24=[nss20_c];

%untuk 4 layer data uji untuk subyek supra dua
load norm_supra_d

input71_c24=[nss11_d];
input72_c24=[nss12_d];
input73_c24=[nss13_d];
input74_c24=[nss14_d];
input75_c24=[nss15_d];
input76_c24=[nss16_d];
input77_c24=[nss17_d];
input78_c24=[nss18_d];
input79_c24=[nss19_d];
input80_c24=[nss20_d];

%untuk 4 layer data uji untuk subyek supra tiga
load norm_supra_g

input81_c24=[nss11_g];
input82_c24=[nss12_g];
input83_c24=[nss13_g];
input84_c24=[nss14_g];
input85_c24=[nss15_g];
input86_c24=[nss16_g];
input87_c24=[nss17_g];
input88_c24=[nss18_g];
input89_c24=[nss19_g];
input90_c24=[nss20_g];

%untuk 4 layer data uji untuk subyek ventri satu
load norm_ventri_c

input91_c24=[nvs11_c];
input92_c24=[nvs12_c];
input93_c24=[nvs13_c];
input94_c24=[nvs14_c];
input95_c24=[nvs15_c];
input96_c24=[nvs16_c];
input97_c24=[nvs17_c];
input98_c24=[nvs18_c];
input99_c24=[nvs19_c];
input100_c24=[nvs20_c];

%untuk 4 layer data uji untuk subyek ventri dua
load norm_ventri_d

input101_c24=[nvs11_d];
input102_c24=[nvs12_d];
input103_c24=[nvs13_d];
input104_c24=[nvs14_d];
input105_c24=[nvs15_d];
input106_c24=[nvs16_d];
input107_c24=[nvs17_d];

input108_c24=[nvs18_d];
input109_c24=[nvs19_d];
input110_c24=[nvs20_d];

%untuk 4 layer data uji untuk subyek ventri tiga
load norm_ventri_g

input111_c24=[nvs11_g];
input112_c24=[nvs12_g];
input113_c24=[nvs13_g];
input114_c24=[nvs14_g];
input115_c24=[nvs15_g];
input116_c24=[nvs16_g];
input117_c24=[nvs17_g];
input118_c24=[nvs18_g];
input119_c24=[nvs19_g];
input120_c24=[nvs20_g];

inputr=[input61_c24 input62_c24 input63_c24
input64_c24 input65_c24 input66_c24
input67_c24 input68_c24 input69_c24
input70_c24 input71_c24 input72_c24
input73_c24 input74_c24 input75_c24
input76_c24 input77_c24 input78_c24
input79_c24 input80_c24 input81_c24
input82_c24 input83_c24 input84_c24
input85_c24 input86_c24 input87_c24
input88_c24 input89_c24 input90_c24
input91_c24 input92_c24 input93_c24
input94_c24 input95_c24 input96_c24
input97_c24 input98_c24 input99_c24
input100_c24 input101_c24 input102_c24
input103_c24 input104_c24 input105_c24
input106_c24 input107_c24 input108_c24
input109_c24 input110_c24 input111_c24
input112_c24 input113_c24 input114_c24
input115_c24 input116_c24 input117_c24
input118_c24 input119_c24 input120_c24];

save III_256_f_347_n

```