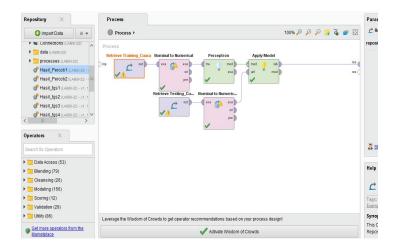
NAMA: Prihadina Ayunia W

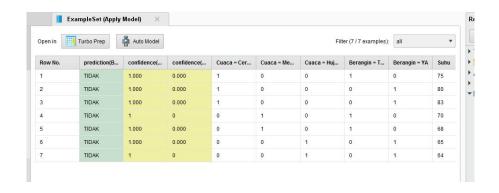
NIM : L200170007

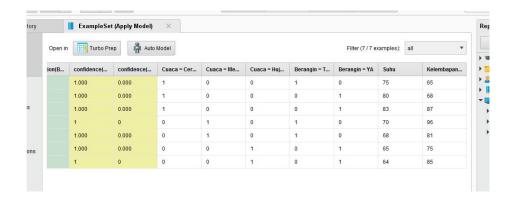
KELAS : A

MODUL 13

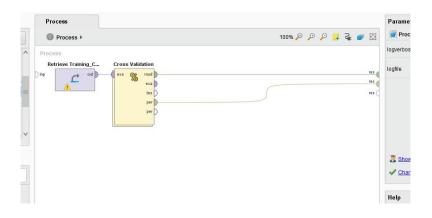
1. Prediksi Nilai Kelas Atribut dengan Neuron Perceptron

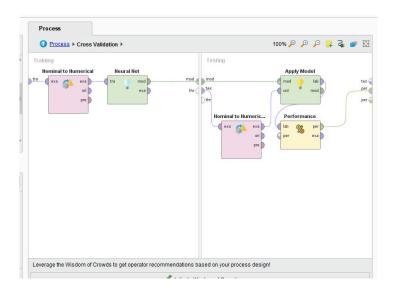


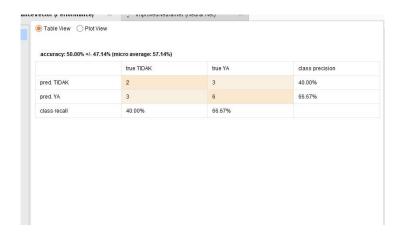




2. Mengetahui Nilai Performance Vector pada Jaringan Saraf Tiruan

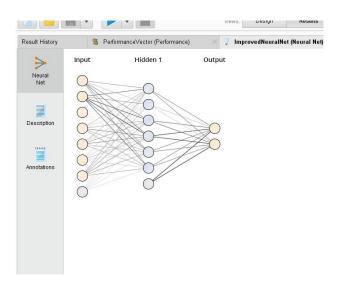


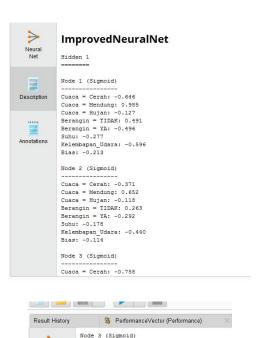




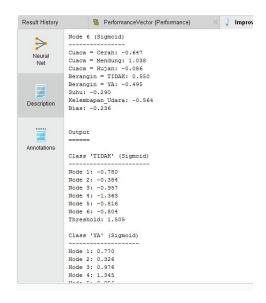
Tab ImprovedNeuralNet (Neural Net), memperlihatkan arsitektur syaraf.

a) Neural Net, digunakan untuk melihat bentuk arsitektur JST



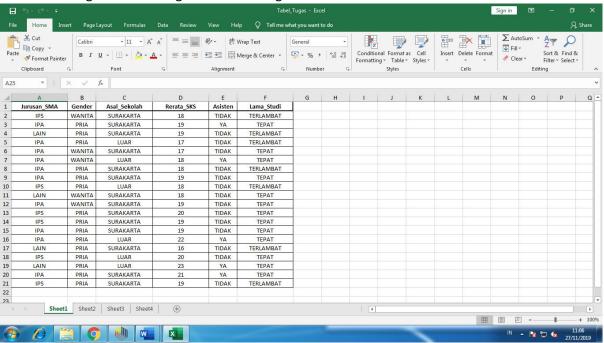


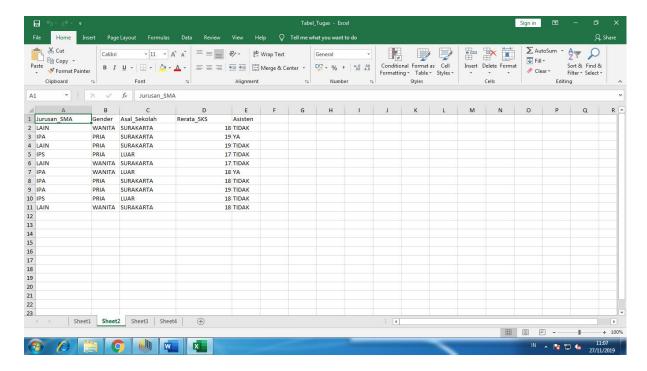




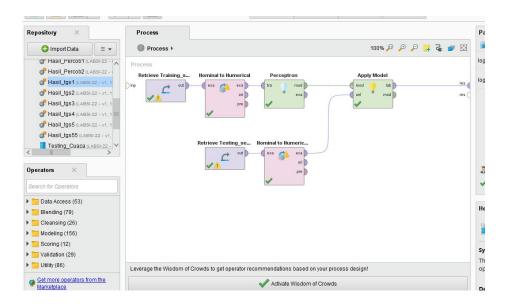
TUGAS

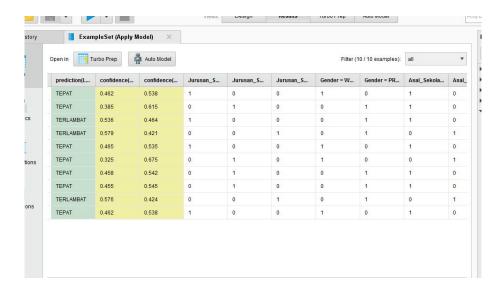
1. File excel sebagai data training dan data testing



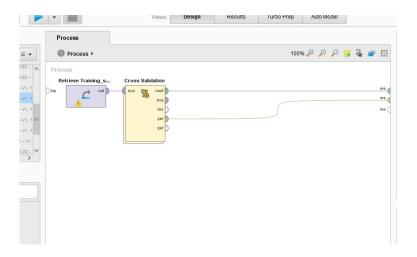


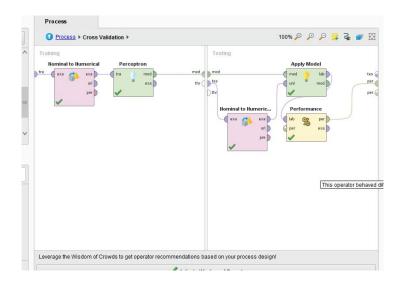
2. Hasil prediksi terhadap data testing lama studi mahasiswa dengan menggunakan model Perception

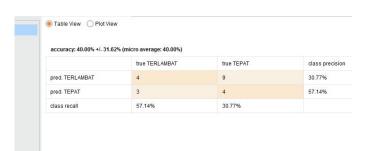




3. Nilai tingkat akurasi, presisi, dan recall dengan menggunakan Performance Vector







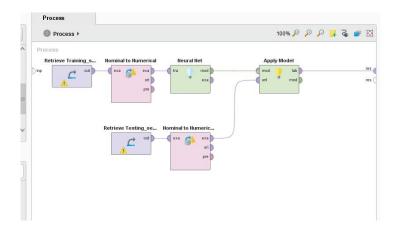


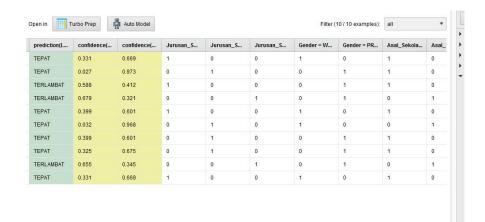
Hyperplane

Hyperplane seperating TEPAT and TERLAMBAT.
Intercept: -0.011019882381776685
Coefficients:
w(Jurusan_SMA = IPS) = -0.189
w(Jurusan_SMA = IPA) = 0.251
w(Jurusan_SMA = LAIN) = -0.073
w(Gender = WANITA) = 0.150
w(Gender = PRIA) = -0.161
w(Asal_Sekolah = LUAR) = -0.023
w(Asal_Sekolah = LUAR) = -0.023
w(Asisten = TIDAK) = -0.150
w(Asisten = YA) = 0.139
w(Rerata_SKS) = 0.013

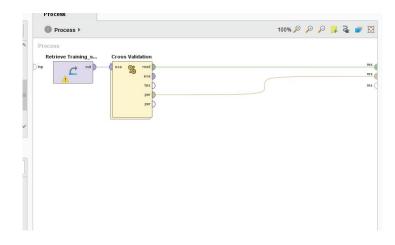


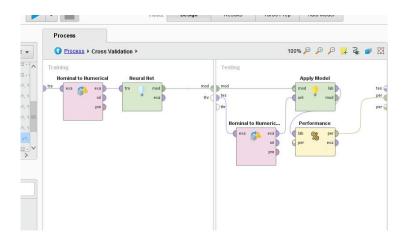
4. Ganti operator Perception menjadi Natural Net

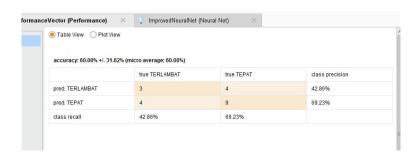


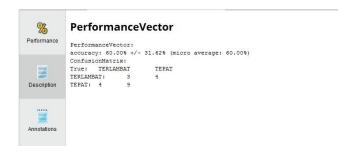


5. Nilai tingkat akurasi, presisi, dan reeal

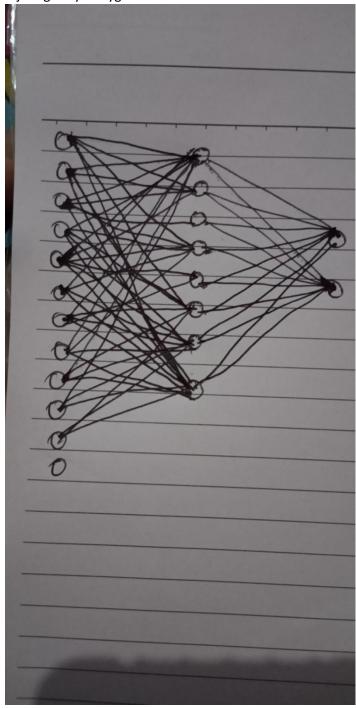


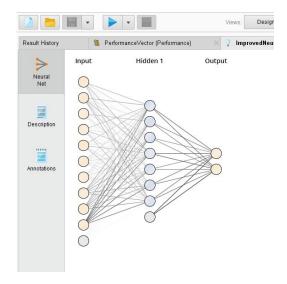






6. Gambar Arsitektur jaringan syaraf yg terbentuk





7. Jumlah node (simpul) masing-masing layer (lapisan) berdasarkan arsitektur JST

→ Input layer : 10 node→ Hidden Layer : 8 node

→ Output layer : 2 node (TEPAT, TERLAMBAT)

8. Nilai-nilai bobot masing-masing node(simpul) pada hidden layer atau output layer

