ALGORITMA BACKPROPAGATION UNTUK MENDETEKSI PENYAKIT JANTUNG

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**JURUSAN TEKNIK INFORMATIKA ANGAKATAN 2015**

**FAKULTAS ILMU KOMPUTER**

**Deskripsi Data Collection Penyakit Jantung**

Data terdiri dari 13 Atribut/Parameter :

1. Age(umur)

Batasan 1-100

Terdiri dari 2 :

* 1 : >=30 & <70
* 2 : >=70

1. Sex(jenis Kelamin) :

* 1 : male
* 0 : female

1. Cp(Chest Pain / Sakit Dada) :

* 1 : Typical angina
* 2 : Atypical angina
* 3 : Non-anginal pain
* 4 : Asymptomatic

1. Trestbps (resting blood pressure /Tekanan Darah) : in mm Hg
2. Chol(Cholesterol) : serum cholestoral in mg/dl
3. Fbs (Fasting Blood Sugar/) : >120 mg/dl

* 1 : true
* 0 : false

1. Restingcg(Resting Electrocardiographic Result) :

* 0 : Normal
* 1 : having ST-T wave abnormality
* 2 : Showing probable or definite left ventricular hypertrophy by eser cruteria

1. Thalac(Maximum heart rate achieved)
2. Exang (Exercise induced angina) :

* 1 : Yes
* 0 : No

1. Old Peak : ST Depression induced by exercise relative to rest
2. Slope (The slope of peax exercise ST segment) :

* 1 : upsloping
* 2 : flat
* 3 : downsloping

1. CA (Number of vessels colored) : (0-3) colored by floursopy

* 0 : 0.0
* 1 : 0.1
* 2 : 0.2
* 3 : 0.3

1. Thal (Obtained defect) : 1-7

* 3 : normal
* 6 : fixed defect
* 7 : refersable defect

Testing sehat :

Age : 63

Sex : 1 male

Cp : 1 typical angina

Trestbps : 145

Chol : 233

Fbs : 1 true

Restecg : 2 showing probable

Thalac : 150

Exang : 0 no

Oldpeak : 2.3

Slope : 3 downsloping

Ca : 0 : 0.0

Thal : 6 fixed defect

Testing sakit :

Age : 67

Sex : 1 male

Cp : 4 Asymptomatic

Trestbps : 160

Chol : 286

Fbs : 0 false

Restecg : 2 showing probable

Thalac : 108

Exang : 1 yes

Oldpeak : 1.5

Slope : 2 flat

Ca : 3 : 0.3

Thal : 3 normal