

ABSTRACT

The increasing of technological growth in various area push finding of new matters in medical area, for example *kidney disease*. Kidney disease can improve the death risk for patient and become cause of incidence of heart sickness. If kidney disease can be detected early, so the risk of fail terminal kidney that must be done to hemodialysis for a lifetime and infected by another disease such as heart can immediately by prevented.

Thereby be needed by an accurate analysis ability in determining circumstance of somebody kidney as step of early determination of disease risk of the kidney.

In this final project will be develop by *Decision Support System* of The Kidney Risk Disease. Where user doing consultancy of input personal data. Then the system of the process data use determined by *rule base* and will result decision hit risk faced by the user. So that can immediately be done by anticipation and correct handling.

Key Word : *kidney disease, hemodialysis, Decision Support System, user, rule base*