Abstract

In computer science especially in the field of informatics, technology development both in terms of hardware and software running quickly. Computers or machinery are required to work quickly in real time and be able to think or solve problems like human beings in general. This needs to be an important thing for large companies to increase productivity and effectiveness of the work. Learning process on the machine to be able to recognize patterns and providing solutions that are classified solving a major cornerstone of making this system. The use of the Nefprox method in the field of Artificial Intellegence is an appropriate method for the learning process by ANN can help the formation rule or classification rules that are vague or fuzzy. Neural network system working to help close a weakness that can not be done by fuzzy logic, and the resulting fuzzy rules yield a better solution. So combining these two methods is arguably complement each other shortcomings. Classification process using Nefprox method can provide better solutions, as well as producing an average accuracy of 96% in providing solutions classification.

Keyword : *classification, neuro-fuzzy, nefprox.*