

BAB 5

CONCLUSION AND FUTURE WORK

5.1 Conclusion

After the researcher succeeded in performing an Analysis of Students Satisfaction Towards Offline Learning Performance Using C4.5 Algorithm in Department of Informatics at Universitas Muhammadiyah Kalimantan Timur from 61 samples by collecting data using a questionnaire with parameters of assurance, tangible, empathy, responsiveness, and reliability, can be concluded that:

1. From the validity and reliability test of the questionnaire used in this research, can be stated that 34 of the 34 question items are valid instruments and questionnaire used has a very high level of reliability in this research.
2. Through the calculation of the C4.5 algorithm generates decision tree by 7 rules with 5 satisfied decisions and 2 dissatisfied decisions.
3. Emp3 attribute is the most influential aspect to Department of Informatics students satisfaction at Universitas Muhammadiyah Kalimantan Timur.
4. Accuracy of the C4.5 model used in this research is 88,89%.

5.2 Future Work

Students satisfaction is essential to every educational institution. So the researcher analyzed student satisfaction towards offline learning using the C4.5 algorithm in the Department of Informatics at Universitas Muhammadiyah Kalimantan Timur. But there are still some things to improve the research.

1. It is possible to analyze of students satisfaction in the Department of Informatics at Universitas Muhammadiyah Kalimantan Timur towards online learning performance to compare to the offline learning performance.
2. This research analyze student satisfaction towards offline learning before the COVID-19 pandemic. It is expected to conduct research on student satisfaction towards offline learning during the post-COVID-19 pandemic.