CHAPTER 5

CLOSING

This chapter describes the conclusions that answer the formulation of the problem, along with suggestions that are useful as input for further researchers.

5.1 Conclusions

Based on the results and discussions carried out in the previous chapter, the following conclusions are obtained:

1. For the maturity level per area, it is known that the Tata Kelola area is at level I+, the Pengelolaan Risiko area is at level I+, the Kerangka Kerja area is at level I, the Pengelolaan Aset area is at level I+, and the Teknologi area is at level II+. Where the maturity level is still in the range of level I to II+, and the minimum limit that must be achieved in order to be able to carry out ISO certification is III+.

2. The value of completeness of information security obtained from the five areas in the Indeks KAMI obtained an assessment result of 279 (out of a total score of 645) and is at level II.

3. These results indicate that most of the existing information security processes at the Universitas Muhammadiyah Kalimantan Timur have not been carried out routinely and have not been in accordance with existing standard procedures. Based on the standard from ISO/IEC 27001:2013, the management of information security at Universitas Muhammadiyah Kalimantan Timur still has to be improved, especially in the Pengelolaan Risiko area which has the lowest score compared to other evaluation areas, followed by the Kerangka Kerja area and the Tata Kelola area.

5.2 Recomendations

Based on the research that has been done, the following are brief suggestions given to improve the five security areas of Indeks Keamanan Informasi (KAMI):

1. For further research, researchers should use the latest version of Indeks

Keamanan Informasi (KAMI) assessment standard from the Badan Siber dan Sandi Negara in order to adapt to the development of needs, relevance and the latest technology.

2. Detailed technical instructions are needed regarding the assessment process on the Indeks KAMI in order to understand the score obtained as well as for improvement and development of the assessment process for the future.