

## SUMMARY

WIGIT JATMIKO. Development of Higher Education Management Based on Higher Education Database. Supervised by ARIF IMAM SUROSO and GENDUT SUPRAYITNO.

Higher education by the government require data and information for decision making in the development of higher education. This study aimed to assess the grouping and mapping universities based data of higher education that have been documented in higher education database.

Data of higher education that had been documented in PD Dikti, that are the number of students, the ratio of the average GPA to maximum GPA, the number of department, the average number of students per department, the ratio of lecturer to student, the ratio of tenured lecturer to total lecturer, the ration of associate professor to professor, the ratio of certified lecturer, the ratio of lecturer titled master degree, the ratio of lecturer titled doctorate degree. These variables were obtained from data of higher education implementation that consist of institution data, department, student, and lecturer.

By using a cluster analysis, this study showed that universities in Indonesia were formed into two groups. The first group consisted of universities with characteristics whose all factor values were above the average from the group formed that most members of this group were public universities and the second group consisted of universities with the characteristic factor where all factor values were low that some members of this group were private universities. Based biplot analysis showed that Kopertis Wilayah in Java Island have similar characteristics, Kopertis Wilayah outside of Java Island also has similar characteristics, while the public universities are not the same as any Kopertis Wilayah.

Keywords: biplot analysis, cluster analysis, higher education database, higher education