

**DECISION SUPPORT SYSTEM FOR EMPLOYEE REDUCTION
DUE TO COVID-19 PANDEMIC USING TOPSIS METHOD
(CASE STUDY: PT. HIBA UTAMA BALI BRANCH)**

PUTU ANGGA DIVAYANA

*Informatics Study Program Faculty of Science and Technology
University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
E-mail : ptanggadivayana@gmail.com*

ABSTRACT

The COVID-19 pandemic has caused limitations in activities in public spaces, forcing people to limit direct interaction with one another in order to avoid the spread of the virus. Various sectors experienced paralysis and one of them is the economic sector. This gave rise to the phenomenon of mass layoffs in various companies. PT. Hiba Utama Bali Branch is one of the companies that was forced to do this because it was related to the company's financial problems. The process of determining the decisions related to workers who must be issued is not easy because it must consider various factors so that it can take a lot of time and effort. TOPSIS method can be used to overcome these solutions because of its ability to process multiple criteria to produce an accurate decision. Through a system built using the TOPSIS method, an alternative ranking feature will be generated in the form of eligible employees to be reduced based on the established criteria. In this study, there are 13 alternative data and 6 criteria data, namely the ability to master work, work discipline, relationships with fellow members, loyalty, years of service and age. From the comparison of the results of the system that has been built with real results obtained a high accuracy of 87.5%, so the TOPSIS method can be used as a decision support system in reducing employees in the case study of PT. Bali Branch Main Grant.

Keywords: *Decision Support System, TOPSIS, Employee Reduction*