ABSTRACT

The Learning Management Information System (SIMPEL) is an information system that in general can assist elements of education in managing and monitoring learning and assessment of students from elementary to junior high school levels. The existence of information technology such as SIMPEL is very helpful in facilitating all matters in providing education services effectively and efficiently. However, in practice, the use of SIMPEL is considered less than optimal. The Ngawi Education Office has difficulty ensuring or determining the maturity of SIMPEL's current governance due to the lack of knowledge of human resources regarding information technology governance. Given the importance of the role of information technology today, a governance performance assessment is carried out on this system to determine governance maturity based on the COBIT 2019 capability level. The governance performance assessment is carried out to ensure SIMPEL can reach the expected level by providing recommendations. The steps taken in assessing the performance of SIMPEL governance were problem identification, observation an intervied, design factor identification, domain determination, respondent determination, capability level target determination, capability level calculation, gap analysis, and recommendation. The results of calculating the capability level in the domains APO12 (managing risk) and BAI01 (managing programs) were at level 0 where the process had not yet been carried out. Domain APO07 (managing human resources) was at level 1 where the process has been carried out. Domain APO04 (managing innovation) was at level 2 where the process has been executed and achieved its goals. Domains APO02 (managing strategy), APO11 (managing quality), and BAI02 (managing requirements definition) were at level 3 where the process was well managed and had operational standards. Domain DSS03 (managing problem) was at level 4 where the process has been analyzed and measured. The target capability level for each domain was level 4. There was a level gap in the APO12 and BAI01 domains of 4, the APO07 domain of 3, the APO04 domain of 2, the APO02, APO11, and BAI02 domains of 1 and the DSS03 domain of 0. Based on the gap analysis, recommendation was given to the Ngawi Education Office in order to achieve the expected level target.

Kata Kunci : COBIT 2019, domain, Dinas Pendidikan, capability level, governance, SIMPEL.