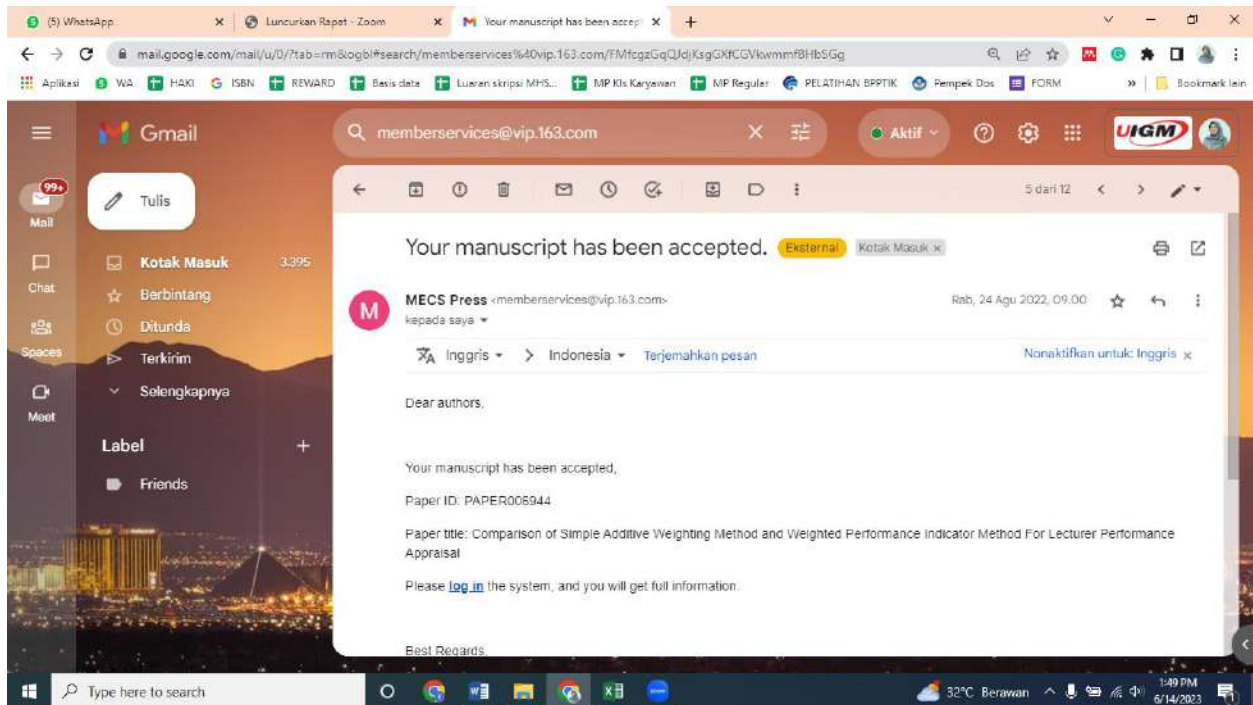
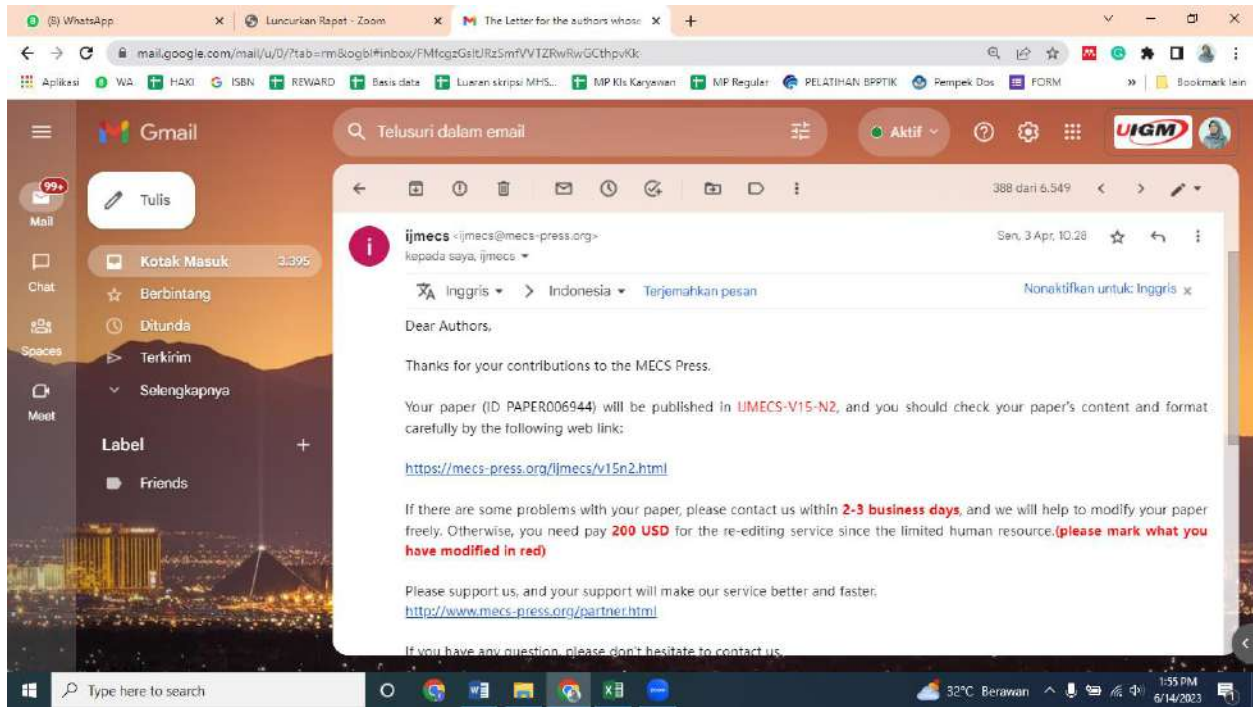


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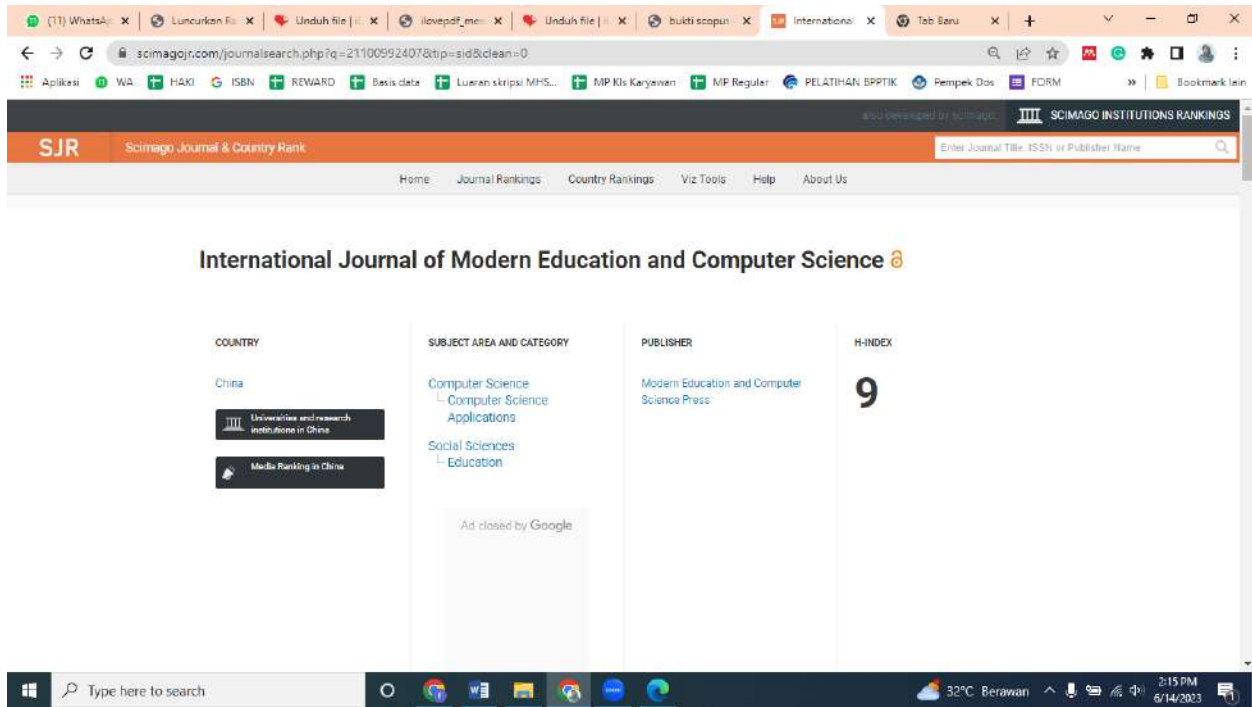
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Paper authors: Terttiaavini

Research area of the paper: Decision Support System

Paper keywords: Simple Additive Weighting Method, Weighted Performance Indicator Method, Lecturer Performance Appraisal, Opinion Respondents

Paper abstract: The development of methods for assessing lecturers' performance is needed to motivate lecturers to achieve institutional targets. Currently, lecturers are required to be able to adapt to the rapid development of technology. Lecturer performance assessment must be done periodically. Competence is measured as a basis for planning resource development activities. The method that is often used for assessing lecturer performance is the

Simple Additive Weighting (SAW) method. However, the SAW method has drawbacks, namely 1) the process of determining criteria is only carried out by the leadership (subjective); 2) The SAW method can only be applied to multi-criteria data only up to level 2. Based on this deficiency, a new method was built, namely, the Weighted Performance Indicator (WPI) method using opinion respondents to determine the criteria. This study aims to compare the performance of the two methods. Testing criteria using SPPS, while testing methods using the SAW method and the WPI method. The results of the criterion test show the Percentage of Similarity of data validity = 100% at the minimum Percentage Limit (MPL) = 30%. While the results of the SAW method and WPI method testing resulted in the highest score in the 1st alternative, namely SAW score (v_i) = 78.69 and WPI score (W_{ix}) = 69.90, and the lowest value in the 10th alternative, SAW score (v_i) = 21.79 and WPI score (W_{ix}) = 24.40. However, for other alternatives, the rating value can be different. The WPI method is a science development in the field of decision support systems that can be applied to other performance assessments.

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