ABSTRACT

Raw gambier produced by farmers has low quality with high variability, due to its low level of processing technology. Therefore, intensive research and development is needed to produce better quality and higher added value products from gambier. This paper aims to audit the processing of gambier technology and to review the quality elements for improvement. Study was conducted through survey, observation and discussion with the stakeholders as part of technology audit activities, identifying the process technology used and to assess the alternative and potential technology to be introduced to the gambier processors. In the improvement planning, introduction methods to be adopted and the priority of equipment to be used were proposed. Both decisions were made using The Analytical Hierarchy Process. The results of study show that there is no significant development on the gambier processing technology, so that gambier processing technology alternatives were needed for quality and production improvement. Mobile gambier processing unit was the best technology introduction methods and the gambier leaf milling unit has the highest priority to be introduced.

Keywords: gambier, quality, technology audit, mobile processing unit, Analytical Hierarchy Process