

## **ABSTRACT**

*Currently PT XYZ is faced with a dilemma in selecting vendors for the Fiber to the Home construction project. The current selection system is based solely on past job performance and vendor cash in hand. Vendor selection is a multi-faceted decision making that involves the consideration of several selection criteria, most of which are subjective and difficult to measure. The decisions taken must be ethical in order to support the success of the project. Ethical decisions are moral, transparent, and considerate decisions that are good/right. For this reason, this research was conducted to design an ethical decision-making process in selecting vendors using the Ethical Decision Making Framework and Analytical Hierarchy Process to determine the weight of each criterion used and Factor Rating Method for alternatives assessment.. This research produces a process design that includes several stages, including the assessment stage, alternatives stage, analysis stage, application stage and action stage. There are 5 main criteria and 12 sub-criteria used in the consideration in the selection of this vendor. This decision-making process produces a score for each alternative to the predetermined criteria and sub-criteria, namely Vendor A with a score of 55.54, Vendor B with a score of 62.19, Vendor C with a score of 53.16, Vendor D with a score of 60.82, and Vendor E with a score of 58.28. Based on the results of this score, the decision that is used as a recommendation in the selection of vendors is to choose Vendor B because it has the highest score among other alternatives.*

**Keywords — [Construction, Decision Making, Ethical Decision Making Framework, Vendor Selection, Vendor]**