

## ABSTRACT

*The use of e-commerce applications has been highly developed in the community, including the area of Telkom University. Telkom University has trading forums contained in the social media Facebook. Limitations of the existing features in Facebook that can only promote goods and services was named a research object. Users of trading forums are difficult to finding information about goods and services what they need. Because of the absence of supporting features possessed other e-commerce applications that have already existed such as search features and product ordering feature.*

*To overcome these problems, a purchasing portal of Telkom University with prototyping methods must be developed. With the method used, the user can provide input about the system to be built with features required by the user. Analysis and design of the portal are using UML purchase and selling portal development using PHP with the framework CodeIgnitier. Otherwise this purchasing portal used functionality testing and user acceptance test.*

*It can be concluded that the main problem is faced by the academic community of the University of Telkom is the unavailability of applications that can facilitate in obtaining information about goods and services required. Therefore portals for the buying and selling Telkom University academic community Telkom University must be developed with features that assist in the process of buying and selling features like categorization, search, notification, comment, upload products ,order product, and features a payment confirmation.*

**Keywords:** *prototyping, code ignitier, purchasing portal, e-commerce, Telkom University.*