

## ABSTRACT

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*Bandung Koloni Semut's CV is a company that does work in the convection which is located on Jl. Kencana North Fragrant II No. 6 Buah Batu, Bandung regency. Koloni Semut's CV goes to production when they were getting orders from the customers. The company has obstacle in calculating and recording their production cost that was still using Microsoft Word. They also have other obstacle with time production that caused the manufactured goods is not on time. For that case, this final project was built an application that can handle on calculating and recording the orders, production costs, and operational costs by using just-in-time method, and then monitoring in time production with throghtput time of just in time. Other accounting record likes journals by using backflush method which is suitable for just in time's company, ledgers and statements of income.*

*Application's design was begun by collecting the needs of the company and doing observations and interviews for the company and determines the appropriate methods and tools that are suitable to use. This application was created by using Framework CodeIgniter and the waterfall method as its development. Stage was obtained only until testing phase. This application was made in the programming language PHP and MySQL database. The final result of this final project application is expected to help cost management in the production process of the company.*

*Keywords: Production Cost, Just in time, CodeIgniter Framework*