

## ABSTRACT

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*Favehotel Braga is one of service companies having its address at Jalan Braga City Walk Entertainment Complex Jalan Braga No. 99-110 Bandung. The main service of the hotel is room service. Favehotel Braga carries out an equal distribution of financing for several facilities and room services. However, if explored further each room has different activities that will be issued in each room type. To overcome these problems, an Application for Room Rate Determination Considering Room Facilities built by Activity Based Costing Approach. Applications are built using prototyping methods with the development of Software Development Life Cycle (SDLC), the design process using the Unified Modeling Language (UML) system modeling, and database schema design using Entity Relationship Diagrams (ERD), and programming languages using PHP and Framework CodeIgniter and MySQL database. The functionality runs 100% after testing by comparing between manual calculations with calculations in the application and tested with black box testing. Once implemented, the application is able to display cost driver data, room data, activity data, cost pool weight data, record income transaction data, and expenditure transactions, display general journals, ledgers, room data recapitulation, room expenditure recapitulation, cost pool rate calculation, ABC room operating expenses report, along with income statement.*

*Keywords: Web Based Applications, UML, Black Box Testing, Activity Based Costing*