

# DEVELOPING CONCEPTUAL MODEL OF LIFE CYCLE COST FOR HOSPITAL EQUIPMENT ASSET

Insannul Kamil<sup>1</sup>, Ahmal Syafruddin Indrapriyatna<sup>2</sup>, Shelli Octifany<sup>3</sup>,  
Buang Alias<sup>4</sup>, Abdul Hakim Mohammed<sup>5</sup>

1) Faculty of Geoinformation Engineering and Real Estate, Universiti Teknologi Malaysia, Johor Bahru, Malaysia

2,3) Department of Industrial Engineering, Faculty of Engineering Andalas University

4,5) Centre for Real Estate Studies, Universiti Teknologi Malaysia, Johor Bahru, Malaysia

Padang 25163 – Indonesia. Email : sankamil@yahoo.com

---

34

## Abstract

*In general, the occurring state of medical service is a process of continuous medical interaction so that the needs for adequate service asset are increasingly needed. It results in a need for a good asset management system to maintain service quality for society as well as to improve efficiency and effectivity of government in asset management. An approach to Life Cycle Cost by method of Overall Rate of Return help to make decision in the use of an asset in aspect of its efficiency. The method represents the average level of periodic interest received in an amount of expected investment along*