

## Hereditary Module over Leavitt Path Algebra of Some Infinite Graph

**Delsi Kariman**

Institut Teknologi Bandung

*delsi@students.itb.ac.id*

Intan Muchtadi-Alamsyah

Let  $E$  be a directed graph and  $K$  be a field. Leavitt path algebra  $L_K(E)$  is an extended  $K$ -path algebra associated graph  $E$  modulo certain relation. In this paper we investigate the hereditary property of module over Leavitt path algebra of some infinite graph.