Abstract

FATAH. Management Strategic To Develop An Eco Industrial Park (Case Study: Cilegon Industrial Park- Banten Province). Under the supervision of ASEP SAEFUDDIN, RIZAL SYARIEF and ALINDA FM ZAIN.

An eco industrial park is the new concept as industrial response for global environmental changes. The purpose of this research is to study and propose scenarios, strategies and operational recommendation to develop an eco industrial park from existing condition industrial park in Cilegon-Banten. An eco industrial park is a community of manufacturing and service businesses located together on a common property. Member businesses seek enhanced environmental, economic, and social performance through collaboration in managing environmental and resource issues. The methods of this research, use the gap analysis, that analyzing the existing condition compare with ideal criteria of eco industrial park, and the research aspects is synchronized with sustainable development concept. The research used participatory prospective analysis and hierarchy analysis process. The data are collected through survey method that represents observation, in-depth interview, questioner and expert judgement. The result show that existing condition Cilegon industrial estate have many gap standard of criteria as an eco industrial park. The growth of industries in Cilegon area causes land use cover change out of planning design industrial area, and tend to reduced open greenspaces significantly. The result of quality of environmental analysis that several parameters namely: BOD, COD, TDS, NH3 dan Temperature in Cilegon area higher than the standard. The result of AHP analysis, priority of strategies to develop existing Cilegon industrial park to eco industrial park is green industrial park development, with implemented optimistic progressive scenario, that 6 keys factors affecting an eco industrial park development in Cilegon area, namely: to Construct an integrated waste treatment, to provide open green spaces 30% minimize, law enforcement to develop an eco industrial park in Cilegon area, punishment and reward for industries that implemented environmental friendly in activities, and defense of water resources or water conservation to support sustainability process industries in Cilegon industrial park.

Keywords: eco industrial park, green industrial park, industrial symbiosis