

Influencing Factors of Paddy Production in Sri Lanka

Hareesha H. Withanage¹

Gross Domestic Product is structured by a combination of the agriculture, industrial and service sectors in Sri Lanka. Paddy is the main growing crop of farmers in agricultural sector. In literature review emphasized that there were several factors that affect the production of paddy in Sri Lankan economy such as fertilizer usage and land. According to that, the researcher attempted to examine the most reasonable factor affect to paddy production in Sri Lanka. The sample of the research collected from Central Bank Annual Report in Sri Lanka according to the secondary data of paddy production, fertilizer usage and land from 1987 to 2016. The research revealed that paddy production gradually increased in 2015 although it has decreased in 1996. In the analysis of the research, the researcher built two hypotheses. The null hypothesis was there is no relationship between fertilizer usage, land and the paddy production. The alternative hypothesis was there is a relationship between fertilizer usage, land and the paddy production. The findings of the research emphasized that there is a positive relationship between fertilizer usage, land and the paddy production by accepting the alternative hypothesis under regression analysis. It means that when fertilizer usage was constant if land factor increased in one unit, the paddy production also increased in 1.44 units. And also when land factor was constant if fertilizer usage increased in one unit, the paddy production also increased in 1.33 units. Finally, it described that the land factor was made more influence on the paddy production.

Keywords: Paddy Production; Fertilizer Usage; Land; Factor Influence

¹ Faculty of Social Sciences, University of Kelaniya, Sri Lanka, hareeshasandaruwani186@gmail.com