

## **Empirical Study on Relationship between Productivity Techniques and Export Quality Production Level of the Tea Factories (Special Reference to Badulla District)**

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The scarcity of the resources is the major problem in the present world and all the nations try to get the maximum use of the existing resources. Therefore several strategies are used to increase the productivity of the existing resources to get the competitive advantage. The study aimed at assessing how productivity techniques effect to increase the export quality production level of the small holding tea factories in Badulla District. Therefore the main objective of this study is to examine the effect of productivity techniques on production of tea and identify the barriers of implementing those techniques. Five small holding tea factories those are adapting 5S practices were selected from Badulla district for the study. Structured questioners were used to collect the data from the considered sample and Cobb — Douglas production function was occupied within the study by employing OLS method to take the productivity of tea factories in to account. The results show that 5S concept has directly affected on increasing the export quality production level of the small and medium holding tea factories in the Badulla. Furthermore the study explored that the factors like employee resistance to change, lack of the expertise knowledge have been massive barriers in implementing the 5S concepts within their entities. According to the further investigation the study identified most of the tea factories were in the maturity stage and they faced to decreasing return to scale. The study strongly recommends adapting proper productivity techniques in order to achieve a higher level of production in terms of quantity and quality.

Key words: Productivity Techniques, 5S, Cobb —Douglas Production Function, OLS method