

***The effect of rainfall and rainy day on the production of rubber plants (Hevea brasensis)***

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**ABSTRACT**

*Rubber plant cultivation is also studied to find out the physiological nature of plant breeding. There are various factors in the productivity process that can affect the results of the production produced by rubber plants. Rainfall and rainy day are one of the factors of latex production in rubber plants which are very influential. This study has a useful goal to find out is there the effect of rainfall and rainy day on the productivity of rubber plants (Hevea Brasensis). This study was conducted in September 2022 to March 2023. The data used in this study were rainfall data and rainy days from 2013-2020 and production data in the Tugusari Garden of PT. Jaya Agra Wattie Jember from 2014 - 2021. Data analysis in this study used correlation and regression analysis methods, where rainfall and rainy days as independent and production variables as dependent variables. The results of the regression calculation show that the rainfall and rainy day variables jointly affect production of 2.64% and the results of the correlation analysis show that there is no rainfall and rainfall on rubber production with a value of 0.1627, this relationship is included in the weak category because it is close to 0.*

*Keywords: rainfall, rainy day, rubber production*