

ABSTRACT

Siti Muthmainah Fadliilah. J2B005086. Chlorophyll and Growth of Soybean Plant After Shading Treatment. Under guidance Muniffatul Izzati and Sarjana Parman.

Soybean has a high protein and low prices than another plants. It cause many people consume it in Indonesia. The production of soybean in Indonesia are lower than the consume, so the government must import soybean from abroad. Soybean production must be increase in Indonesia to decrease soybean import. The solution is by increase the planting areal of soybean include under the another plant. The big problem if the soybean grow under the another plant is light intensity is lower than if soybean grow under fully sunlight. It may affected the phosynthesis and plant growth. The aim of this study was to know the effect of shading treatment and it's long time to chlorophyll and growth of soybean. This study take place in Green House of department Biology. There are 20 soybean plant var *pangrango* used in this study. There are four steps in this study, preparation, treatment, and data analysis. There are four treatment in this study, control, 2 week shading, 4 week shading and 6 week shading. Results of this study was analysis by ANSIRA with significance 95%. Results of this study showed that shading treatment increase chlorophyll and growth of the soybean plant.

Keywords : soybean plant, shading treatment, growth.