

ABSTRACT

PT. Perkebunan Nusantara VIII (PTPN VIII) is an orthodox black tea powder producer company. Tea leaves used to produce orthodox black tea come from Ciater Plantations, the Ciater Plantation consists of 6 Afdelings (picking areas), each Afdeling consists of several blocks, and on each block consists of several smaller areas with sizes of 20m x 20m. Picking is done with 3 choices of ways that have different periods of picking time, using hands, using scissors, and using the machine. Based on the data from 2011 - 2014, the average of the results of the leaves of tea leaves under a predetermined target, one of the causes of the result of picking under the target due to the selection of quotation areas that do not produce optimal tea leaves, it is necessary picking scheduling in each Afdeling to be able to produce picking Tea leaves that can meet the target of picking. To schedule the maximum amount of tea leaves can be used Linear Programming with the objective function of maximizing the result of tea leaf picking with wide constraint of picking area and amount of available picking powe, and got optimum picking schedule for every Afdeling.

Keywords : Picking Scheduling, Linear Programming, PTPN VIII, Ciater Plantation, Maximizing Picking Results