ABSTRACT

CV. Jaba Palm Mandiri is a company engaged in the sale of raw palm oil, located in the village of Alang Bon-bon, Asahan, North Sumatra. This oil palm plantation was established since 1990 and has an area of 88 ha, in the process of planting palm oil, planting seeds from the age 0-4 years is called the period before productive and the age of 5 years until the harvest period is called the after productive period. In order for oil palm plants to grow properly, the need for care and maintenance is needed. And so that there is no mistake also to find out how much it costs in buying the needs in caring for palm oil, web-based applications are made using a programming language methods PHP Framework CI and MySQL. Development is carried out using the System Development Life Cycle (SDLC) with the waterfall method. For testing done using black box testing.

Keywords : plantation, maintenance, cost, Framework CI , MySQL, waterfall, blackbox testing