ABSTRACT

Shallots are a complement to daily cooking spices that are widely used so that they are widely grown in various regions in Indonesia. Cultivation of shallots is currently still using the conventional way, namely by planting on many lands such as rice fields. There are several factors that can inhibit the cultivation of shallots, one of which is onion disease. The lack of knowledge of shallot farmers and the unequal distribution of counseling from agricultural officers have resulted in the prevention and eradication of shallot diseases being difficult to handle. This study aims to design and build an application for diagnosing shallot disease using Naive Bayes and testing the application for diagnosing shallot disease using Naive Bayes. The research method used is the Expert System Development Life Cycle (ESDLC) method. The results of this study resulted in an application for diagnosing shallot disease using Android-based Naive Bayes. And successfully tested using the blackbox testing method and the application runs well.

Keywords : Shallots, Naive Bayes, Android