ABSTRACT

Indonesia is one of the countries with the largest wealth and natural products in the world. Most of the natural products in Indonesia are used for the needs of the community and economic drivers. One of Indonesia's natural products that is a commodity is tea. PT. XYZ is a company engaged in tea leaf processing. Products produced by PT. XYZ is green tea. In the rainy season, tea leaves tend to be susceptible to pests or diseases such as smallpox caused by Basidiospora Exobasidium Vexans. The parasite develops in dew (fog after rain), rainwater, and at low temperatures so one of the solutions that can be done is to pick tea earlier or earlier before the tea leaves are attacked by pests or diseases. As a result of using traditional tools during the tea leaf picking process, there are several problems such as picking productivity that depend on the speed of hand movement as well as the farmer's ability to pick and disorders that are at risk of causing Musculoskeletal Disorders (MSDs) based on complaints of pain felt by farmers. To follow up on this matter, this research aims to make a design of tea leaf picking tools using the Ergonomic Function Deployment (EFD) method so that the design of tea leaf picking tools that are made can increase the productivity of picking and the design of tools that are in accordance with ergonomic aspects of ergonomics (ENASE).

***Keywords**: Ergonomic Aspects, Ergonomic Function Deployment, Musculoskeletal Disorders, Tea Leaf Selection Process, Rapid Entire Body Assessment*