

ABSTRACT

In West Java province, chinese spinach plants still use conventional planting methods where farmers harvest chinese spinach still use traditional tools, it's call ani-ani , so that farmers harvest Chinese spinach in a position that is often hunchbacked so that farmers often occur farmers often complain, especially in the back and joints, besides that it can also cause musculoskeletal disorders, because of that we inspired to harvesting tools which emphasizes ergonomic aspects for work safety and comfort when working by reducing the position that is too bent and in a position when standing harvest chinese spinach for a long time. The design of this chinese spinach harvesting tool aims to reduce the risk of workplace accidents while carrying out land spinach harvesting activities. The analysis used in ergonomics using the rapid entire body assessment method. From the analysis results that posture harvesting chinese spinach gets a score of 8 not using ani-ani and if chinese spinach farmers use ani-ani tool get a score of 9 from the information REBA score that value can cause high risk to farmers and must change the position of body posture for farmers this problem can be designed an harvester for chinese spinach by changing the body posture to stand up and reduce bending position when cutting kale by being pushed and avoiding repetitive body movements.

Word Key : Designing, Ergonomics, Rapid Entire Body Assessment, Land Water Spinning, Musculoskeletal, Electric harvester for chinese spinach