

105 學年度大四工工專題摘要

第 3 組	農務作業中之不良姿勢分析與改善-以彎腰作業為例 Investigation of Bending over in Farm Work	
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摘 要		
Analysis of the human body in action, injury and improve posture is one of the vital focus of Ergonomics. The application of ergonomics is well developed in the industrial side. Nevertheless, the development of agriculture, which is high-load operation of labor was slightly less. This study will use video analysis, REBA, OWAS Methods to analyze posture of labor, and to improve on the hurtful posture and devise assistive devices according to this analysis. The result of this study provide farmers a more secure and effort operations. 研究人體作業時的動作與姿勢舒適度、傷害及其改善是人因工程的主要重點之一，此一部份在工業分面發展完善，但在農業此一高勞動負荷作業之發展卻略顯不足。因此本研究將採用姿勢分析之方法，如：OWAS、REBA 分析農人彎腰等不良姿勢所產生之傷害，並根據此一分析提出動作及其輔具上之改善，以期能讓農人能更安全及省力的進行農務作業。 關鍵字：人因工程、農務作業、彎腰、OWAS、REBA		