

เหมาะสมเพื่อเพิ่มประสิทธิภาพการเผาไหม้ การติดตั้งระบบแลกเปลี่ยนความร้อน (economiser) เพื่อนำความร้อนจากก๊าซไอเสีย กลับมาอุ่นน้ำป้อนหม้อน้ำ การเปลี่ยนหลอดฟลูออเรสเซนต์แบบ T8 เป็นแบบ T5 ร่วมกับการใช้บัลลาสต์อิเล็กทรอนิกส์ การวางแผนการจัดการลำไยผลสดอย่างเหมาะสม การเพิ่มจำนวนโต๊ะ และพนักงานคัดลำไยแห้ง แตะ บุป และการสร้างจิตสำนึก และแรงจูงใจในการทำงานเพื่อลดการสูญเสีย



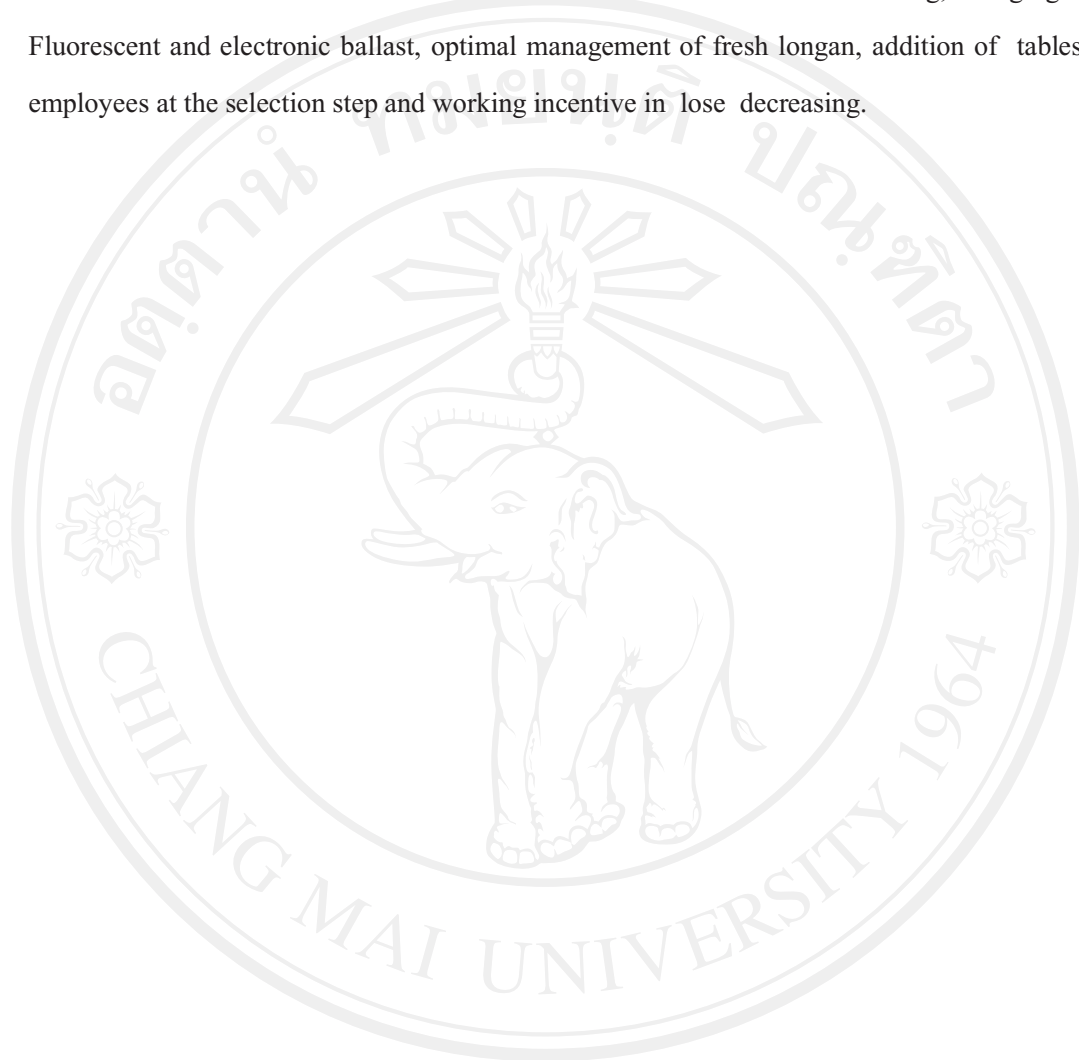
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Independent Study Title	Guideline for Application of Clean Technology in Whole Dried Longan Production Process of Sarayuth Longan Drier Factory
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ABSTRACT

This research aimed on the application of clean technology in order to find out the losing causes and steps in whole dried longan production of Sarayuth Longan Drier factory. Clean technology technics were presented in the final path of this study. From the primary assessments, it was found that the first three losing criterias were the low efficiency of wooden fuel utilization at the boiler in longan during step, the unappropriate electrical lighting during the process and the defect cracking of whole dried longan in manual selection step. After that, detail assessments about the causes of losing were conducted in each criterias. Firstly, it was found that the causes of low efficiency in wood utilization were unblowing down of hotwater in boiler which decreased the heat transfer because of scare formation and unefficiency of wood combustion because of the unoptimal mixing portion of air and wood. Secondly, the cause of unappropriate lighting was the use of T8 Fluorescent lamp which consumed high electric power. Finally, the causes of cracked and broken whole dried longan were the ununiformity of fresh longan skin, over riped fresh longan and overnight storage of fresh longan before drying and uncarfully manual transportation of whole dried longan. Seven clean technology technics were presented: setting of optimal blowdown period, optimal adjustment of air and wood ratio,

installation of economiser which returned hot exhausted air for water warming, changing to T5 Fluorescent and electronic ballast, optimal management of fresh longan, addition of tables and employees at the selection step and working incentive in lose decreasing.



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