MAKING OF TOOTH CHAIR FULL ELECTRIC
APPLIES DC MOTOR 24V TYPE LA31 EQUIPED
WITH LIGHT CENSOR

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Abstract
This final project proposed new dental chair this important the last dental chair, designed to make perfect tooth chair which has been designed by seftiyandi and dany (2009), where its (the planning using motor gear box 24V DC with spiral jack actuator on course fluctuates and power screw on course lodging erect, rating which able to be lifted is 150kgf. This system less efficiently because its (the impulse is slow, existence of noise at revolution of its (the motor, and position of low tooth chair reaches 40mm and position of maximum is reaching 60mm. For the purpose through this final task made perfect by using actuator motor DC 24V type LA31 LINAK with step length 100 mm and rating which able to be lifted by actuator motor is 600 kgf. This system more efficiently because its (the impulse becomes quicker, there is no noise at its (the motor, and distance dudukan chair on course low with equiamplitude surface of soil; land; ground is 33mm, on course highest reaches 63 mm.

This chair also in equiped with equiped [by] system control to arrange impulse fluctuates and dentist chair lodging erect with safe speed and easy to be operated. Besides this chair equiped automatic timer crane with light censor and limitch switch.

Kata kunci : electric dental chair, control system, automatic valve