ABSTRACT

Transport of the patient's bed is a medium used for moving patients whose condition does not allow changing places alone. Mechanical transport of the patient's bed made of iron with intricacies which has been calculated so as to sustain the patient load. Making the bed transport of these patients aims to provide patient comfort when moved elsewhere and enables nurses to move patients to the place desired.

Sensors used are sensors which have the characteristics of the pendulum is perpendicular to the ground but the pendulum is unstable so that the sensor is a mechanical gear needed to handle the appeal. Also gear is used to widen the appeal is the ADC value.

Patient bed sensors which are integrated with the pendulum and the electric drive system is able to produce stable motion in the bed of patients with a range of rotational speed from 29 rpm to 36 rpm and a range of time from 13.42 seconds to 15.82 seconds.

Keywords: transport patient beds, ADC, electric drive