Air Traffic Control Practical Training in Thailand, at the present
time, can be done only with non-radar control because radar simulation
equipments are still expensive. Furthermore, the real radar systems are
operated 24 hours a day and cannot be used for this training. This thesis
presents an Air Traffic Control Training System that can simulate the radar
information. The system consists of 2 personal computers. One computer ,
performs the simulation of the aircraft data which is similar to the radar
data. The simulated data will be transmitted to another computer via a
serial communication port and used to construct the screen similar to the real
radar screen. This system has more advantages than the real radar system, for
examples, the simulation of emergency situation and the repeated exercise
execution, which are very useful for the training.