Simulation is away to analyze the problem. Research focused on the event queue service container ships unloading at the Terminal Mirah, Tanjung Perak Port Surabaya. Furthermore created a software that can describe the characteristics of the observed system, the method of queuing simulation ship loading and unloading services, which aims to find out average waiting times of ships in the queue, the average service time in the dock a certain time unit. Based on the simulation results can be seen time and waiting time for services from the dock at the terminal.

**Keywords**: simulation, queuing, loading and unloading, the ships.