

VIROJ BURAPHARAT : APPLICATIONS OF BAR CODES IN INVENTORY SYSTEMS:  
A CASE STUDY OF CHULALONGKORN HOSPITAL. THESIS ADVISORS :  
ASSISTANT PROFESSOR MANOP REODECHA, Ph.D, 247 pp.

This thesis illustrates applications of Automatic Identification Systems using bar codes, for inventory management. Two cases at Chulalongkorn Hospital were employed; one at the Library, the other at the Main Drug Store.

In the first case, a system was developed at the desk circulation to study its operational and economical feasibility. The results showed that the system could improve the services and reduce errors in data collection at relatively low cost. It was also easy to operate, which satisfied both the operators and the users of the library.

In the second case, an inventory management system, using bar codes, was designed for the Main Drug Store. The purposes of the system were to reduce the losses and to improve the efficiency in serveral operations including inventory level control and prevention of expiration, theft and shortage. . . . .