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BUNLEU NARAPINIT : INFORMATION SYSTEM DEVELOPMENT IN SUPPORT OF THE IMPLEMENTATION OF THE KORAT HEALTHY CITY PROJECT, NAKHON RATCHASIMA MUNICIPALITY. THESIS ADVISORS : OPART PANYA, Ph.D., ANUCHAT PHUANGSUMLEE, Ph.D., AUEMPHORN MUTCHIMWONG, M.Sc., 162 P., ISBN 974-665-014-9.

The Healthy City Project Concept aims to improve environment and health conditions by local government and other agencies. Nakhon Ratchasima Municipality has set up various project committees to implement the Korat Healthy City Project. In this study, information management was identified as one of the obstacles encountered during the project implementation . An information system was developed to support the Korat Healthy City Project which involved designing indicators and criteria to evaluate the implementation of the project. From review of previous studies , a set of indicators and criteria for urban development were formulated and then purposed to the project monitor and evaluation committee for selection. Five criteria with 51 indicators were approved , 25 indicators were for process evaluation and 26 indicators were for output or impact evaluation. Structural analysis and designed technique was used for information system development in support of the Korat Healthy City Project. Database management system and user interface were programmed by Microsoft Access 97.

In evaluation of the program design , a sample of 24 persons from project committees was selected to use this information system. Then these users were asked to compare it with a new one by filling out a questionnaire. The Wilcoxon Signed Ranks Test was chosen to test hypotheses. Results indicate that the design of the new information system has more available data ; it is easy to retrieve and up to date. It meets their requirement and its presentation is more satisfactory than the existing system.