

STUDY ON DEVELOPMENT OF A MANUAL FOR STRUCTURAL INSPECTION AND APPRAISAL FOR BUILDING

ABSTRACT

Building problems are rather common in Malaysia and often hit the headlines when the problems had led to loss of lives or involved a large sum of public funds. In Malaysia, problems in government buildings are often referred to JKR whether or not JKR was involved in the award of the tenders. Building inspection is carried out by JKR personnel who pick up the knowledge and skills in inspection “on the job” as they work, and not through a formal training.

At the moment the role and responsibility of District JKR, State JKR and the Forensic Unit of Cawangan Pakar dan Kejuruteraan Awam at JKR HQ, in carrying out structural inspection and assessment is not well defined. For example, when there is a request by a client on building failure, how should District JKR carry out initial investigation before reporting to JKR State and subsequently to JKR HQ? The manual addresses this issue and forms part of the Work Procedure to be adhered to by all levels of JKR.

The manual provides description and discussion of the overall building management system for JKR. It stresses on defining the role and responsibility for JKR District, JKR State and Forensic Unit; and description of the types of building inspection. The manual, with its accompanying handbooks, also serves as training materials for the HQ experts for regular training of District and State personnel.