# ABSTRACT

Knowledge Management can help a Learning Organization for transformation of knowledge from all parts of the company, including the Pusat Dokumentasi dan Informasi Ilmiah – Lembaga Ilmu Pengetahuan Indonesia (PDII – LIPI) as a learning organization that wants to build a Knowledge Management System (KMS), which focus on Knowledge Repository (Knowledge Repository) for the internal LIPI company. To improve the quality of the Knowledge repository requires support's front-end so company's productivity website development become more visible

Front-end Knowledge Management System developed using waterfall method. In the first part consist of requirement identification and business modeling activities. Second part consist of analysys and design. Next part will be implementation from design that already made. Next part is testing and the last part is maintenance

Result of this research is the creation of a Front-end Knowledge Management System that consist of dashboard and 2 part of chart. For further development, dashboard and chart can be developed beautify the look and adding more features for company needs.

Keywords: Knowledge Management System, Front-end Knowledge Repository, java web application, waterfall method, spring framework.