

## **ABSTRACT**

This report will be on Mochtar Riyadi Research Center (MRC) in Lippo Karawaci and Rumah Taman in Pondok Aren Bintaro which both located in West Jakarta. The Mochtar Riyadi Research Centre is belonging to PT. Lippo Karawaci (owner) and the design consultant are PT Anggara Architeam.

The purpose of this project is mainly to give contribution to the people in the medical kind of way; moreover the MRC is prepared to be one of the important buildings in Lippo Karawaci which will attract more visitors to come to Lippo Karawaci.

Mochtar Riyadi Research Center in Lippo Karawaci is located in the north part of Central Lippo Karawaci. It is surrounded by school, restaurant, temple, hotel and hospitals and is in one of Lippo Karawaci artery. Its east border is Medical faculty of Pelita Harapan Universitas, west border is an empty unused area, whereas its north and south border is people's houses and Jendral Sudirman Street.

The report only covers some part of the design process development, building process and mechanical system. It is written after a 170 hours of observation on the site. The information is collected through interview with the supervisors and/ or workers and direct observation. The parts of the design process covered in this report are the project organization, design progress, design development and mechanical electrical system;

In Rumah Taman case we covered the design, structural and construction method of workshop and service area. Further details about the Mochtar Riyadi Research Centre and Rumah Taman can be read on this report.