**RESEARCH OBJECTIVE**

(Large Vocabulary Indonesian ASR)

My research has objectives:

1. To apply recent mathematical statistics models to fit Indonesian language for Automatic Speech Recognition (ASR) problems
2. To implement large vocabulary Indonesian ASR (LVIASR)
3. To measure the accuracy of models built
4. To built offline LVIASR on smartphones
5. To test offline LVIASR to command and interacting with smartphones

Automatic Speech Recognition (ASR) is well established domain of research for two decades, but none have been applied to Indonesian language. Mature mathematical statistical ASR models should be applied then.

The System in aim is large vocabulary Indonesian ASR (LVIASR) which will be used by proportion of 300 million Indonesian users.

Because of the maturity of existing models LVIASR should be adequate in performance measured by set of test procedures.

Finally the model and system built, should address minimum requirements on hardware and processor such that could be implemented in common smartphones and embedded devices. This is the ultimate purpose of the research that will benefit majority of Indonesian people.