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TExIT
(Text Explorer, Identifier & Translator)
Smart and Flexible Mobile Dictionary

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Introduction
- TExIT is a flexible mobile application with text recognition for word searching, text translation into multi languages and identifier for active ingredients in chemical products.

Problem Statement
- Typing and searching chemical substances is a conscientious job.
- Moreover, illiterate users struggle finding out about facts/instruction on torn product labels and reading foreign languages.
- From more than 200 dictionary applications, they generally serve basic functions without OCR, copy/paste and switching online/offline.
- Thus, we provide a multi-functions dictionary as the solution for the said problems.

Inventiveness And Novelty
- Integrate multiple functions with flexible usage in one mobile apps.
- Set up a readable and readily issued database from unprepared household chemical and pesticide databases to a more readable and readily issued file.
- Easy-to-use apps which potential to change ways of data retrieval, learning new languages, data sharing and knowledge manipulation.

Intellectual Property Status
- Copyright number: LY2018004899

Usefulness And Application
- The OCR scan and translator able to reduce typing error, speed up translation and translate signboard while travelling.
- TExIT brings a sustainable mobile application for various users, with different background and phone capabilities, locally and internationally.

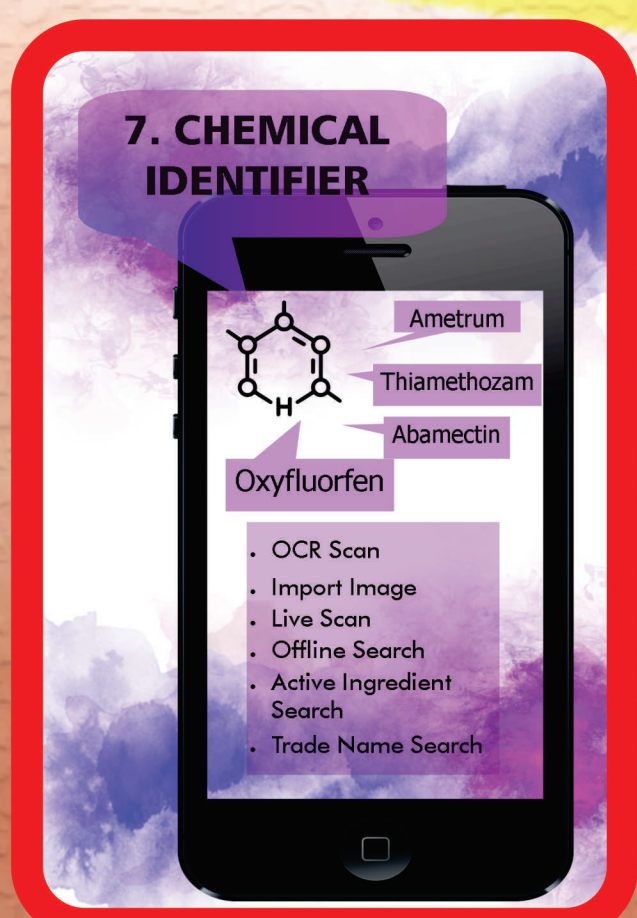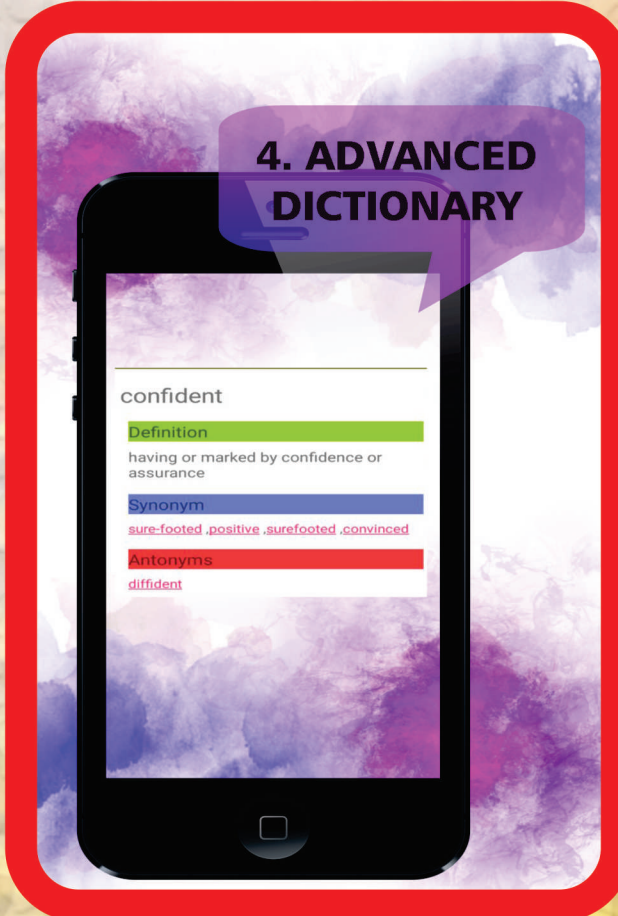### Status Of Invention
- Beta version

Commercial Potential
- Students, doctors, researchers.
- Household chemical and pesticide users for home and industries.
- This application provides affordable price which can serve the bottom billion.

Potential Partners
- Malaysia Pesticide Board.
- National Poison Center USM.
- Chemical and pesticide-based industry.

Knowledge Management
- Publication: Ruhaiyem, N.I.R, Mahalingam, S., Syed-Mohamad, S.M., 2018, Intelligent Mobile Dictionary and Thesaurus, The 10th International Conference on Robotics, Vision, Signal Processing & Power Applications (ROVISP 2018), Penang, Malaysia.

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