

Computer document preparation can be easily handled by a various type of softwares such as text editor, word processor, desktop publishing. But few softwares support Thai language and are publish domain.

Nowaday, Thai document preparation software are word processor that are lack of desktop publishing capabilities such as:

1. Do not use proportional spacing.
2. Do not support any graphic element such as line, rectangle, etc.
3. Can not draw any picture in a document.
4. Do not support various type of writing style(leftmargin, rightmargin, ident, font, size, alignment and others)

This thesis attempt to develop Thai desktop publishing that can be used on IBM PC compatible, 640 KByte memory, 2 Floppy disk drives, Monochrome CRT with Hercules card and dot-matrix printer. The features are the following:

1. Standard word processor.
2. Device independent software.
3. Graphic element can be added.
4. WYSIWYG concept is implemented, such as:
 - A. Black foreground on white background both on screen and printer.
 - B. Proportional spacing font both on screen and on printer.
 - C. Picture has same color and scale both on screen and on printer.
5. Display window is scalable and ruler is implemented.
6. Picture editor and font editor are implemented.
8. Various writing style are supported.
9. Thai syllable separation is implemented.