PAD-MMRT speech recognition software

Figure 1 shows the PAD-MMRT application running on an Android-based PAD. The application includes four modes (four panels in Figure 1). Figure 1 (a) is the front-page, stating the name of development teams and the source of testing materials (from the MMRT corpus [1]). Figure 1 (b) is the input interface, allowing users to input answers by keying in the Taiwan's phonetic symbols (Chuyin and Bopomofo). Figure 1 (c) shows a test result, which presents the correct and wrong inputs and their corresponding correct answers in terms of initial, final, medial, and tone. Figure 1 (d) demonstrates the confusion matrix of the test result, which summarizes the confusions of tow entries (both phones and tones). The PAD-MMRT application can be downloaded via: https://drive.google.com/file/d/0B8ZEsMh6ITIlOXlWb0tZVlcwbjg/view?usp=sharing.
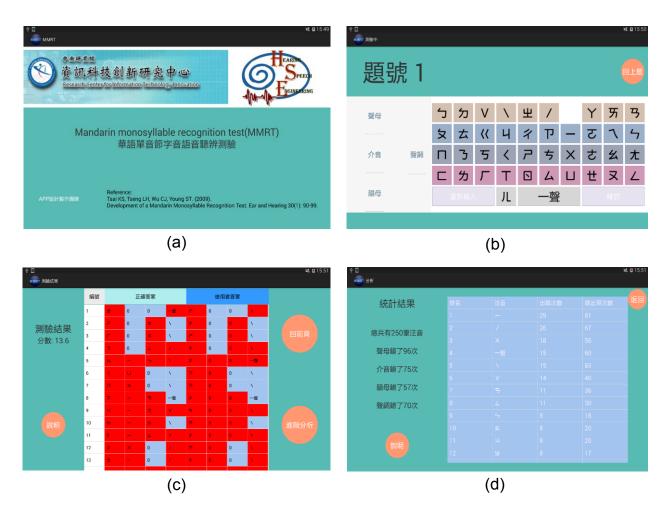

(a)

(b)

(c)

(d)

Figure 1. The current PAD-MMRT application: (a) front-page; (b) input; (c) results; (d) confusion matrix.

[1] K.-S. Tsai, L.-H. Tseng, C.-J.Wu, and S.-T. Young, "Development of a Mandarin monosyllable recognition test," *Ear and Hearing*, vol. 30, no. 1, pp. 90–99, 2009.