

**APPROVAL PAGE**

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This thesis, written by Zaenal Arsy, and entitled APPLICATION TO RECOGNIZE HALAL PRODUCTS BY SCANNING BARCODE ON IOS DEVICE, having been approved in respect to style and intellectual content, is referred to you for judgment.

We have read this thesis and recommend that it be approved.

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Date of Defense: May 28, 2019

The thesis of Zaenal Arsy is approved.

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