



اَوْنِيُوْرْسِيْتِيْ بِاْتِيْكْنُوْلُوْجِيْ مَارَا  
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## ENT 600 TECNOLOGY ENTREPRENUERSHIP

### TECHNOLOGY BLUEPRINT

### SMART READER AI-QURAN SENSOR

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## **1.0 EXECUTIVE SUMMARY**

The product that my company created is Smart Al-Quran Reader Sensor. This product is suitable for all kind generation Muslim person. This product also suitable for non-muslim person for who try to learn about Al- Quran, Hadith, Sirah and more about Islam. This is because person who do not know how to read Al-Quran and want to learn about Islam will easy learn with this product. Why did I say it was suitable? This is because the product comes with many materials, for example Digital Al.Quran, Sirah book, Hadith book, Tafsir, pen reader and many more. Customers who do not know how to read and want to learn just put the pen reader point at the Digital Al-Quran and other materials. This pen reader will emit sound the content of the Digital Al-Quran and the other materials. If they do not know, they will learn a lot there. There are many companies that have produced this product that are similar to our product but we have already created some differences in this product that other companies do not have. We improve by placing sound sensors on our products that other companies do not have. The customer or reader can challenge or test themselves to recite Al-Quran. The sensor will detect the reader's voice when they recite the Al-Quran. If they read the Quran wrongly, the pen will give a signal that the reader is misreading. Thus, they can evaluate their reading level.

The Smart Al-quran Reader Sensor has many and extra advantages compared to previous and other Digital Smart Al-quran. We develop some new features and make an improvise which is the sound sensor at the smart pen and sound detector at the headphone. The Smart Al-quran Reader Sensor has a good quality and great technology that can give satisfaction to all users. We make an improvement to our product that can help readers or users in learning Al-quran and correct them in reciting the Al-quran. They also can evaluate and challenge themselves to recite the Al-quran and know their level and condition in reading the Al-quran. The product will help them by giving a signal and alert them if they read the Al-quran wrongly. This can help them to read the Al-quran properly. Other than that, we provide this product with an affordable price and very quality material and long lasting product that the customer can afford. This is because we had done some research and studies to build this product in good design, good quality and affordable.

## 2.0 PRODUCT/SERVICE DESCRIPTION

The smart reader Al-quran sensor product is the innovation and improvise product from the previous product which is Digital Al-quran. This Smart Reader Al-quran Sensor has their own uniqueness that other products do not have from previous products. We add technology to this product. The technology is the sound sensor and sound detector. Although it looks the same but the sound sensor and sound detector are the differences. The sound detector will be put on the headphone that is provided with the microphone. The reader will read the quran and will produce a voice. The sound detector functions by detecting the reader's voice. Then the sound sensor at the pen will evaluate the reader's voice whether he or she recites the quran properly or wrongly. If he or she reads the quran wrongly. The sound sensor will generate and give the signal to the lamp. The lamp at the pen will turn on to red signify the reading is wrong. The Smart Reader Al-quran has many functions like i said before for example can emit the tajweed, sirah, tafsir and so on. The function has their own button to on. For the sound sensor detector, the users need to push the sound sensor button and open the bluetooth button to connect with the headphone. All the functions will activate after the button has been pushed.

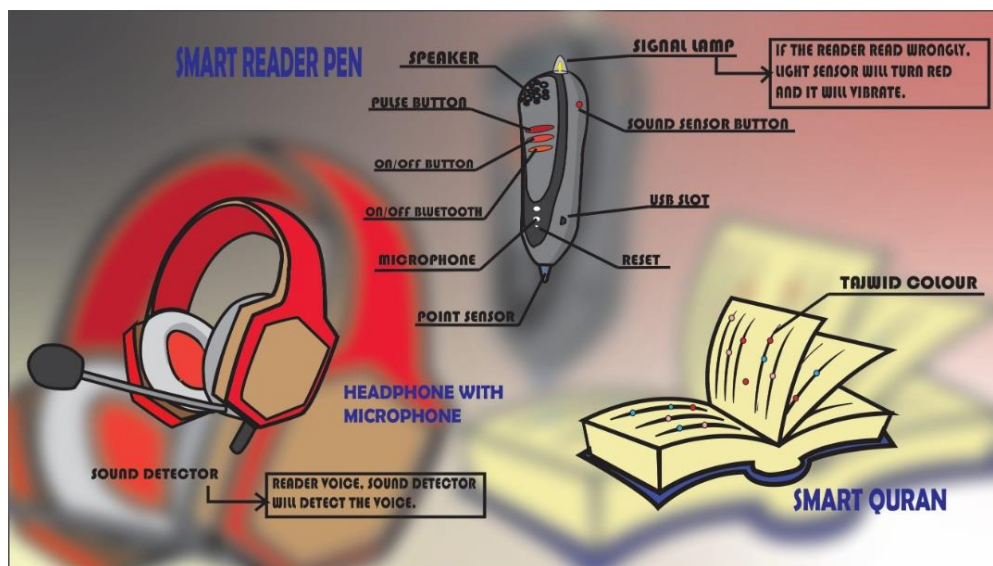


Figure 1: Smart Al-quran Reader Sensor

### **3.0 TECHNOLOGY DESCRIPTION**

The uniqueness and improvise in our product is we put the sound sensor to our product. The sensor functions as a signal to the reader's voice. When our customers use our product, the smart reader pen and the headphone have a sensor. The smart reader pen and headphone will function if the reader read the Al-Quran wrongly and give a signal to the reader. The reader's voice will be detected by the sound sensor at the headphone and the pen. The pen will give a signal by vibrating and turn on the red light at the pen. Then, the pen and headphone will produce the sound of the correct Al-Quran reading. The pen and the headphone have the Bluetooth sensor to connect the smart pen with the headphone. The reader who wants to use the sound sensor needs to push the button at the pen to on the sound sensor. The sound sensor detector at the headphone microphone and the pen will generate the voice and give a signal if the reader reads the word wrongly.

Our product come with 30 juzuk digital Al-Quran, Smart pen reader, headphone with microphone, Charger, Pc connection USB, digital umrah and hajj guideline book, digital ALLAH name card, digital prophet sirah, digital hadith, and muqaddam. The 30 juzuk digital Al-Quran content with Tajweed colour, tafseer Al-Quran, 21 Quran voice recitation and 23 voice translation. The smart reader pen has a lot of buttons and slots that have many functions. The button functions include the on/off button, Bluetooth button, reset hole, sound sensor button, play and pause button, speaker, LED lamp signal, USB slot, memory slot, recording button, microphone, charger light and pen Qr code point sensor. The headphone also has its own microphone that has a sound detector. The charger included in this product is the USB wire type charger. Pc connection also includes updating the pen and adding on MP3 song or surah in the Smart pen reader. All books and cards like digital umrah and hajj guideline book, digital Allah name card, digital prophet, digital Hadith book and muqaddam has its own code that the smart reader pen can point and generate the word and voice.