


# Tahniah PMM !!!

## 2 Silver Di ITEX15



BIL	NAMA PRODUK	PENSYARAH	NAMA PELAJAR	PENCAPAIAN
1.	SMART SHOE	<ol style="list-style-type: none"> <li>1. RUSLAN BIN ABDUL JALIL</li> <li>2. HAZREEN BIN OTHMAN</li> </ol>	<ol style="list-style-type: none"> <li>1. Muhammad Farhan Bin Azman</li> <li>2. Mohamad Aizat Bin Jufri</li> <li>3. Mohamad Faiz Bin Rosli</li> <li>4. Putera Muaz Aizzuddin Bin Sazali</li> </ol>	SILVER
2.	Smart Emergency Ladder for Fire Extreme (SEL4FE)	<ol style="list-style-type: none"> <li>1. ABD GANI BIN ABD RASHEED</li> <li>2. TN HJ ZAMALI BIN OMAR</li> </ol>	<ol style="list-style-type: none"> <li>1. Radzlan Al Ashraf Bin Oslan</li> <li>2. Mohamad Zulfadli Bin Shamsuddin</li> <li>3. Adib Fikri Bin Abdul Manaf</li> <li>4. Nina Nor Hidayu Binti Ahmad</li> </ol>	SILVER

3	6	9	12	15	18	21	24	27	30
<p style="text-align: center;"><b>Politeknik</b> MARA MALAYSIA</p>		<p style="text-align: center;">Tangga Kecemasan Pintar untuk Api Lampau (Smart Emergency Ladder for Fire Extreme )</p>			<p style="text-align: center;">Jabatan / Tahun (Department / Year) JABATAN KEJURUTERAAN AWAM 2015</p>				
<p><b>Nama Penyelidik / Pencipta</b> (Niche Researcher / Inventor)</p> <p>Abd Ghani Bin Rashid@Mohamed (IC: 751008-08-5081 )</p>		<p><b>Tel/Fax/Jabatan</b> (Office Telephone)</p> <p>06-5555667 - 3003 No. Handset (Handphone No.) 012-7562432</p>			<p><b>E-Mail</b> (E-mail)</p> <p>gohah@polimara.edu.my shuhuro2027@gmail.com</p>				
<p><b>Tajuk Grafik</b> (Graphical Information)</p> 		<p><b>Abstrak</b> (Abstract)</p> <p>Tangga Kecemasan Pintar Untuk Api Lampau (TKA) merupakan sebuah inovasi dalam bidang keselamatan diri dalam keadaan darurat. Produk ini mempunyai 3 tingkat dan ia mempunyai 100% tinggi setiap tingkatnya. Dengan menggunakan teknologi ini, ia dapat membantu orang-orang yang tinggal di dalam bangunan tinggi untuk menyelamatkan diri mereka dari bahaya kebakaran. Produk ini juga dapat digunakan sebagai alat bantu untuk orang-orang yang mempunyai masalah bergerak di atas tangga. Produk ini juga dapat digunakan sebagai alat bantu untuk orang-orang yang mempunyai masalah bergerak di atas tangga.</p> <p><b>SMART EMERGENCY LADDER FOR FIRE EXTREME (SEFLE)</b></p> <p>Smart Emergency Ladder for Fire Extreme (SEFLE) is an innovation in the field of personal safety in the event of a fire. This product is a 3-level ladder that can help people escape from high-rise buildings in the event of a fire. The ladder is designed to be used by people who have difficulty moving up stairs. The ladder is made of strong material and can support up to 100kg. The ladder is also equipped with a safety harness to prevent people from falling. The ladder is easy to use and can be installed in less than 5 minutes. The ladder is also portable and can be stored in a small space. The ladder is a great solution for people who live in high-rise buildings. The ladder is also a great solution for people who have difficulty moving up stairs. The ladder is also a great solution for people who have difficulty moving up stairs.</p>							
<p><b>Projek Mula</b> (Start Project)</p> <p>2012</p>		<p><b>Nama Pemilik / IP / Alamat</b> (Owner/ IP Name / Address)</p> <p>Pusat Riset UI 0015001209 Politeknik Maritimau Melaka</p>		<p><b>Nama Pemilik / IP / Alamat</b> (Owner/ IP Name / Address)</p> <p>Abd Ghani Bin Rashid@Mohamed IC: 751008-08-5081 06-5555667</p>		<p><b>Projek Tamat</b> (Finish Project)</p> <p>2016</p>			
<p><b>Pengiktirafan Pingat</b> (Media/Recognition)</p> <p>1. Gold Award In International Engineering Invention and Innovation Exhibition (IENI2012) 2012 2. Silver Award In International Invention &amp; Innovation Exhibition 2015 (IIOI2015) 3. Innovation Grand Award RANGGEO In Malaysia 2016 4. Gold Award In International Innovation/Festa Di (Inovasi) 2016 5. Gold Award In National Innovation &amp; Invention Competition Exhibition (ICOMP2014)</p>		<p><b>Kolaborasi</b> (Collaborator)</p> <p>Jabatan Bomba dan Penyelamatan Melaka, Melaka</p>		<p><b>Status Komersial</b> (Commercial Status)</p> <p>Belum di komersialkan</p>		<p><b>Majlis Inovasi Grant Award 2016</b> (for Malaysia summer 2016)</p>			
<p><b>Mubang</b> (Contact)</p> <p>MUHAMMAD BIN INTI JANITAN Niche/Inventor/Inventor Politeknik Maritimau Dewan Pendidikan, Pakej 6 Kampus Kemajuan Pendidikan (No. 65-010887) (E-Mail: mahmud@polimara.edu.my)</p>		<p><b>Nama Penyelidik / Pencipta Senama</b> (Other Researchers / Inventors)</p> <p>1. Nakhla bin Abd Ghani, Tel: 012-7911129, E-mail: nakhlaabdghani@polimara.edu.my 2. Noratun Binti Sulaiman, Tel: 012-5037425, E-mail: noratunbinti@polimara.edu.my 3. Muzam Syuhadah Bt. Yusof, Tel: 012-4229632, E-mail: muzam.syuhadah@polimara.edu.my</p>							



# VELCRO SHOES



### ABSTRACT

Velcro shoes is a product specifically designed for the needs of all the different daily activities. It is a new innovation that simplify and save users in everyday activities such as sports and socializing. This shoe is designed with 3 different types and can be installed easily changed to suit the activities. In addition, these products can optimize the use of a pair of shoes and indirectly to preserve the environment. A total of 80 respondents were randomly selected consisting of civilians. The study used data collection methods of questionnaires distributed directly to the public. Overall, the findings show that the public has a good perception of the product's velcro shoes. Most illustrative figure is FIG. 1.

### ADVANTAGES

The user only needs to change the shoe soles of shoes without changing the others if you want to run the sports and social activities as appropriate and usability of the site.

### AUTHENTICITY & NOVELTY

Velcro Shoes' is an innovation that spring from the problems faced by the students. As we all know, apart from the academic excellence of students of higher education institutions are also required to excel in sports, unity and co-curricular activities and each requires a different set of shoes. Consequently, the idea of merging these shoes apart from saving energy, money it could also embrace punctuality among students. To quote the proverb "Time is Gold".

### POTENTIAL MARKET

Velcro shoes use in everyday activities is an advantage to the public to be able to save time. Due to these advantages, the 'Velcro Shoes' very potential to be commercialized as a prospect buyer, comprising student, athletes and employee.

### PRODUCT ACHIEVEMENT

1. Enrich Gold Award in "Perkaya Inovasi 2015" at Merlimau Polytechnic, Malaysia.
2. Enrich Gold Award in "I-COMPEX 2016" at POLIMAS, Malaysia.
3. 2<sup>nd</sup> Best Innovation Project in the category of Innovation and Product Marketing Services, "I-COMPEX 2016 at POLIMAS Malaysia
4. Patent Application number: UI0215001209 | Filing date: 8 MAY 2015

### VELCRO SHOES DIMENSION



FIG. 1 (illustrates a body shoe diagram of the present innovation)

### RESEARCHER

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