



UNIVERSITI TEKNIKAL MELAKA
UNIVERSITY OF TECHNOLOGY MELAKA





UTeM

Hall 2

Pusat Inovasi

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

UNIVERSITY OF TECHNOLOGY MALAYSIA MELAKA





Hall 2



اوپنورسیتی تیکنیکل ملیسيا ملاک
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

Product Features

- Compact size
- Easy to install
- Low power consumption
- High accuracy
- High reliability
- High performance
- High security
- High flexibility
- High scalability
- High compatibility
- High interoperability
- High integration
- High collaboration
- High communication
- High connectivity
- High availability
- High maintainability
- High recoverability
- High portability
- High mobility
- High flexibility
- High scalability
- High compatibility
- High interoperability
- High integration
- High collaboration
- High communication
- High connectivity
- High availability
- High maintainability
- High recoverability
- High portability
- High mobility

Key Benefits

- Cost-effective
- Easy to use
- High accuracy
- High reliability
- High performance
- High security
- High flexibility
- High scalability
- High compatibility
- High interoperability
- High integration
- High collaboration
- High communication
- High connectivity
- High availability
- High maintainability
- High recoverability
- High portability
- High mobility

Commercial Potential

- High accuracy
- High reliability
- High performance
- High security
- High flexibility
- High scalability
- High compatibility
- High interoperability
- High integration
- High collaboration
- High communication
- High connectivity
- High availability
- High maintainability
- High recoverability
- High portability
- High mobility



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Commercialization Potential

- Tenaga Nasional Berhad (TNB)
- Oil and Gas sector (PETRONAS, SHELL)
- Factories
- Commercial premises



Figure 4. THD and THRD



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US 811 005-7
INCLINED-PLANE
TRACKING
(UP)

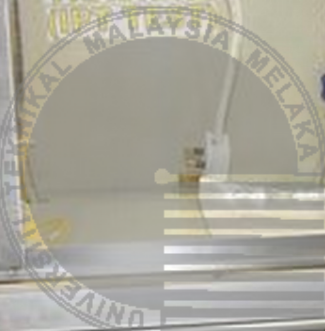
⚠ DANGER



HIGH VOLTAGE.
Stop when
switch power
before service

DANGER

HIGH VOLTAGE



اوپورسټي ٽيڪنيڪل مليسيا ملا

UNIVERSITI TEKNIKAL MALAYSIA MELAKA



LCAnalyzer



Antimicrobial Derivatives

Antimicrobial derivatives are a class of compounds that possess a coefficient of toxicity and help of antimicrobial activity. The synthesis of antimicrobial derivatives is a complex process that involves the modification of the chemical structure of the parent compound. The synthesis of antimicrobial derivatives is a complex process that involves the modification of the chemical structure of the parent compound. The synthesis of antimicrobial derivatives is a complex process that involves the modification of the chemical structure of the parent compound.

Novelty Invention

Commercialization Potential

Commercialization Potential

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ReM Directory of Products Recptal13

Researcher Product

Amirah Ali Amir

Researcher Product

Amirah Ali Amir

Researcher Product

Amirah Ali Amir

Researcher Product

Amirah Ali Amir

Researcher Product

Amirah Ali Amir

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Researcher Product

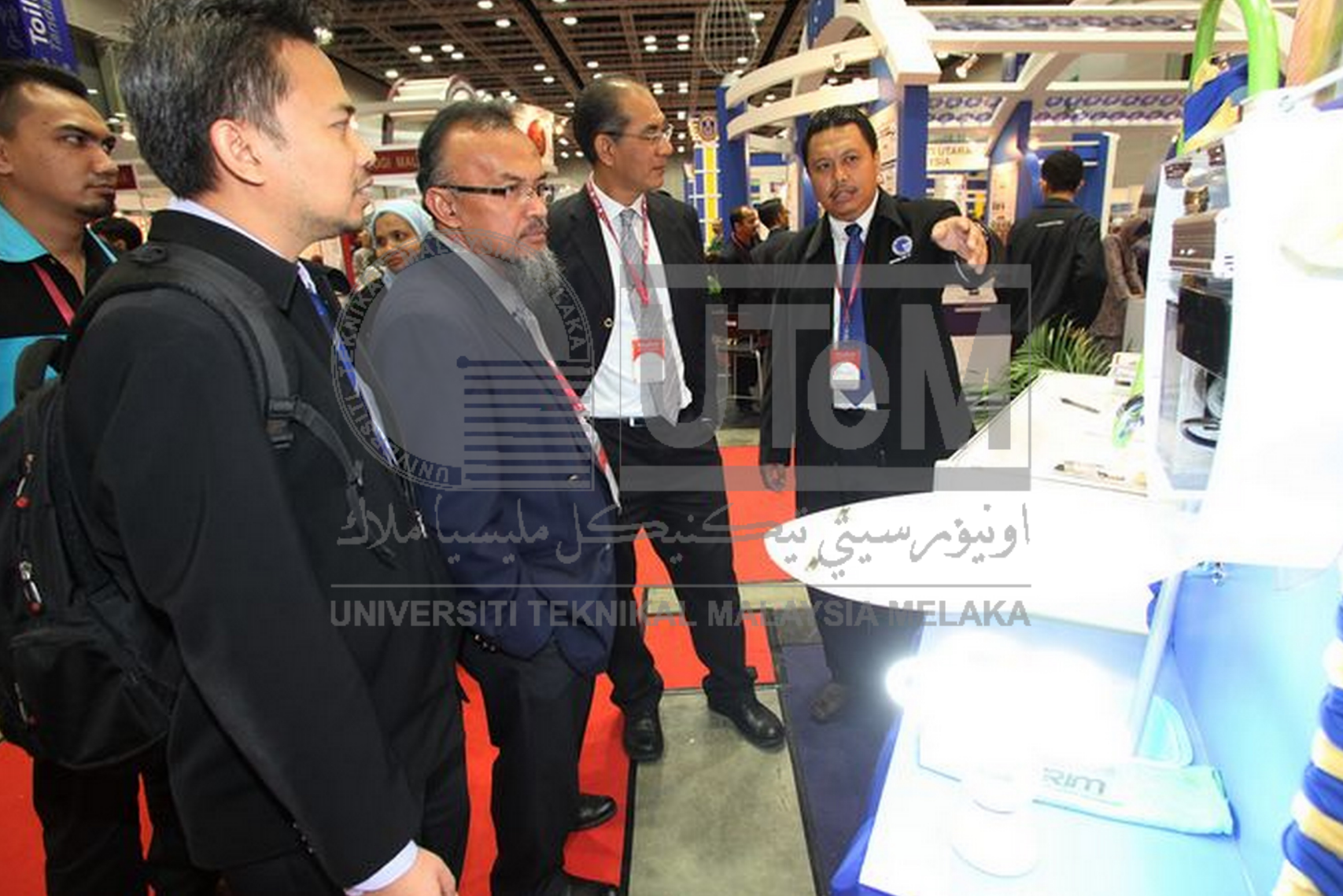
Amirah Ali Amir

Researcher Product



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ویدئو سیتی ملکیا کل ملیسیا ملاک
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BANK ISLAM TMB

Pecipta

INTERNATIONAL CONFERENCE AND EXHIBITION
INVENTION OF INSTITUTIONS OF HIGHER

OPENING CEREMONY

officialled by

YB DATO' SERI IDRIS BIN
MINISTER OF EDUCATION

7 NOVEMBER 2013



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Centre for Research and Innovation Management (CRIM)
100, Jalan Sultan Iskandar Shah
11000 Kajang, Selangor, Malaysia
Tel: 03-8933 1111 | Fax: 03-8933 1112 | Email: crim@um.edu.my

SITI TEKNIKAL MALAYSIA
اونيورسيتي تكنولوجي ملایسيا
SITI TEKNIKAL MALAYSIA

Figure 1: Transmitter (located inside the emergency vehicle)

Figure 2: Receiver (located at the traffic light junction)

Figure 3: Overview of the system

Novelty/Inventiveness

- ✓ XBC wireless communication - Less wiring, allows mobility of use position.
- ✓ GPS technology captures a much more accurate coordinate.
- ✓ Maximum length of detection is 300 metres.
- ✓ Implements the DIPSIS system that will not interfere with the current traffic light system.
- ✓ Fully automatic without the need to manually trigger the signal in order to provide the traffic light exemption.
- ✓ Used friendly platform and easy installation - JAG and DMS system.

Commercialization Potential

Police and security

- ✓ Police car
- ✓ Police motorcycle
- ✓ SWAT vehicle
- ✓ Bomb disposal vehicle

Medical

- ✓ Ambulance
- ✓ Organ transplant/boost supply vehicle

Fire and rescue

- ✓ Search and rescue team
- ✓ Hazardous material team

Civil emergency

- ✓ Public utility services
- ✓ Equipment or machinery

Figure 4: The design of the system in a 4-lane road traffic light cycle

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