











Initiative and Technology Sharing Towards Environmental Sustainability From UMP & Company

Ts. Mohd Najib Bin Razali Founder/ Managing Director MNR MULTITECH SDN. BHD.











COMPANY BACKGROUND

SUBJECT	DESCRIPTION
Established	5 th October 2017
Core business	 i. MNRg-Grease & MNRg-Treat Manufacturing ii. Water/wastewater & grease consultation iii. Raw Water & Wastewater treatment (40 parameters for both raw water and wastewater) iv. Hand Sanitizer Manufacturing
Number of employees	Total employees = 6

Management Team

POSITION AND NAME	EXPERIENCE	PROFILE PIC
MANAGING/ FINANCE DIRECTOR Ts. MOHD NAJIB RAZALI	 Lecturer, Faculty of Chemical and Process Engineering Technology, Universiti Malaysia Pahang (UMP). Technical Consultant for TNB Research Sdn Bhd (August 2017 - September 2017) for project Study into The Eye Sensor of the Switchgear Arc Protection System (Contract Value: RM 9,540.00) Technical Consultant for TNB Research Sdn Bhd (April 2016-July 2016) for project Study on Contact Grease for Switchgears (Contract Value: RM 119,780.00) Technical Consultant for UMP Green Technology Sdn. Bhd. (1 September 2011 - 31 August 2014) for Project Recycling of Base Oil From Spent Lubricants, Development of Grease form Industrial Wastes, Recovery of Oil from Waste Emulsion. 	
PRODUCTION/ OPERATION DIRECTOR MUSFAFIKRI BIN MUSA	 Research Officer, University Malaysia Pahang (UMP), Gambang Pahang, September 2013 – present Research & Development Chemist, TechBond Manufacturing Sdn Bhd Shah Alam, Selangor, June 2011 – August 2013 Process Engineer, NRC Plating Sdn Bhd, Shah Alam, Selangor, December 2010 to June 2011 	

Introduction of Product/Technology/Service

Our Problems? Sg Kim Kim, Sg Semenyih, Sg Sayong, Johor



DR Dzulkefly Ahmad melawat klinik pergigian bergerak pada Majlis Pelancaran Sambutan Hari Kesihatan Pergigian Sedunia 2019 di Kementerian Kesihatan. - Foto Lugman Hakim Zubir

5,848 terkesan dengan pencemaran Sungai Kim Kim

Oleh Irwan Shafrizan Ismail irwansha@nstp.com.my





PUTRAJAYA: Seramai 5,848 kanak-kanak dan orang dewasa dirawat sejak 8 Mac lalu akibat pencemaran sisa beracun di Sungai Kim Kim, Pasir Gudang, Johor.

Menteri Kesihatan, Datuk Seri Dr Dzulkefly Ahmad, berkata daripada jumlah itu, 951 mangsa dimasukkan dalam wad, manakala 25 pula dimasukkan ke unit rawatan rapi (ICU).

Beliau berkata, kementerian juga sudah menggerakkan 762 kakitangannya dalam menangani bencana berkenaan.

"Saya ingin menzahirkan rasa syukur kerana tiada kematian dalam kejadian berkenaan. Tidak

BERITA

Kilang proses baja najis ayam punca Sg Johor dicemari ammonia

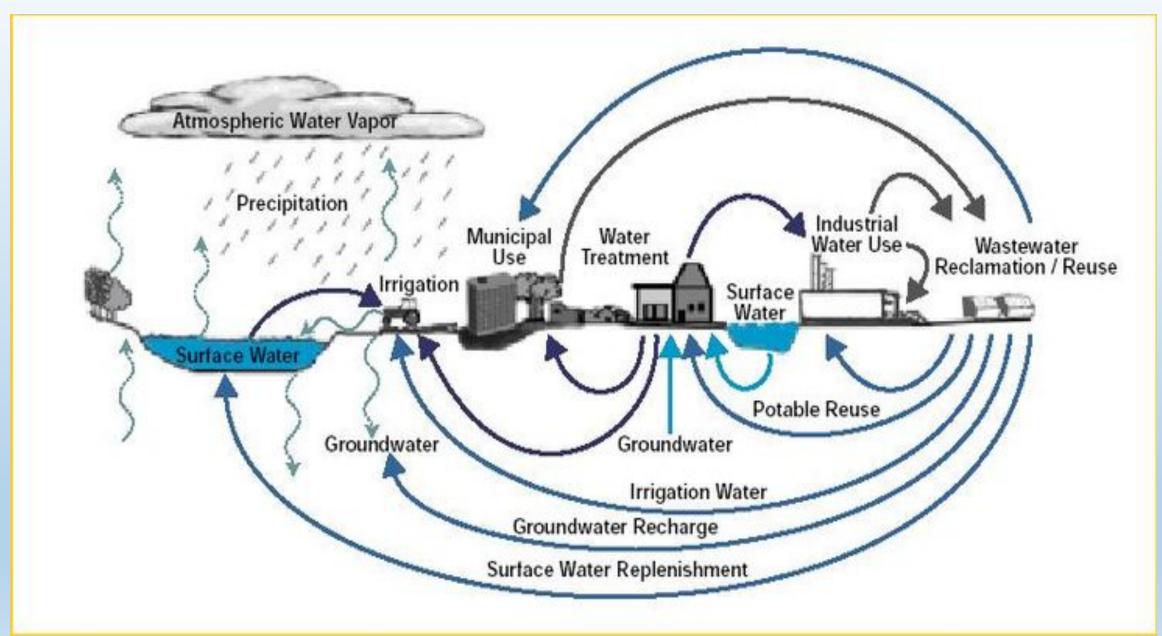
News | Diterbitkan 28 Okt 2017, 10:26 malam | Dikemaskini 28 Okt 2017, 10:26 malam











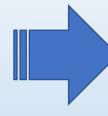
Solution



MNRg-Treat

Oil Recovery Booster

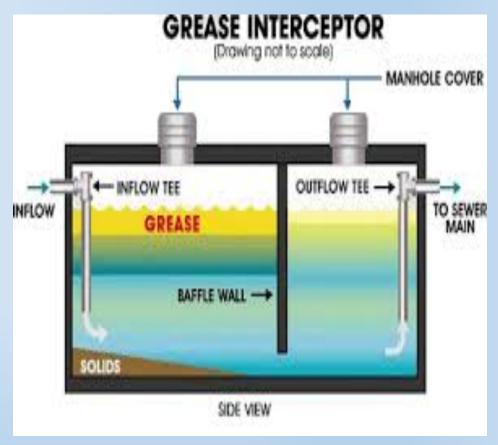












- MNRg-Treat Permormance > 95%
- Conventional Method = 40%
- Standard B, DOE Malaysia

PRODUCT DESCRIPTION

MNRg-Treat (PI: 2013700379 / UI: 2015701032)

Bio-Coagulant Treatment for Oily Wastewater

A wastewater treatment by using coagulation agent to separate residue oil and water from various industries.













Research Entrepreneur Award Winner, Malaysia Commercialization Year (MCY) 2019

SUPERB Grant Winner

– Commercialization
Start Up Fund (Superb
Grant) TERAJU Series
1, 2017

Advantages:

i. Use Natural Bio-Coagulant





ii) Recognition





Product MNRg-Treat









1 Litre = RM 35.00

25 Litres = RM 625.00 (SME & Restaurant)

200 Litres + Cleaning & Desludging Service = RM 2000.00 (Workshop & Service Centre)

PACKAGE PRICE FOR WATER ANALYSIS

- 1) PACKAGE A (6 Parameter) RM 170.00*
- 2) PACKAGE B Sewage Effluent (8 Parameter) RM 200.00*
- 3) PACKAGE C Industrial Effluent (31 parameter) RM 400.00*
- 4) PACKAGE D On Site Testing (7 parameters) RM135.00*

*On Site Testing or collect wastewater for testing – add RM 0.50 for each KM.

SERVICES/CONSULTANCY

WASTEWATER TREATMENT & WATER ANALYSIS LAB

















ACHIEVEMENTS

MNRg-TREAT

- MCY 2019 Winner Research Entrepreneur Award RM 100,000.00
- Superb Grant Winner Commercialization Start-up Fund (Superb Grant) TERAJU Series 1, 2017 RM 500,000.00
- Gold Medal, International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA 2017). Title: G-Treat: Smart System for Water Sustainability.
- **Gold Medal**, 24th International Invention, Innovation & Technology Exhibition (ITEX 2013). Title: Innovative Green Technology Waste Emulsion Treatment System (From Waste to Wealth)
- 2 competent persons Certified Environmental Professional In Scheduled Waste Management (CePSWaM) (No. Siri CePSWaM :198921/198923)
- Mr Musfafikri has passed as a Certified Chemist from Institut Kimia Malaysia.
- In progress of acquiring Accredited Water Analysis Lab (MS ISO/IEC 17025 Testing Samm No.506)







MNRg-Grease (PI: 2017400003 / PI: 2016400017)

High Performance Grease

Series of heavy duty grease which provide high performance and have been tested using ASTM (American Society of Testing Materials).



GREASE TYPE	NET WEIGHT / TIN (g)	SELLING PRICE / TIN (RM)
MNRg-Grease (Electrical)	400	230.00
MNRg-Grease (Automotive & Machineries)	400	60.00
MNRg-Grease (Multipurpose)	400	27.00

Advantages:

i. Environmental friendly and safe







ii) Recognition





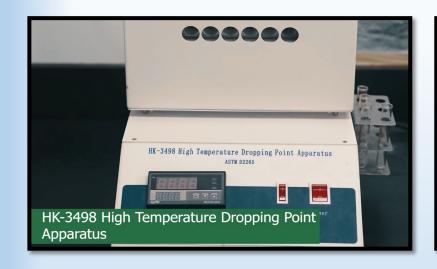


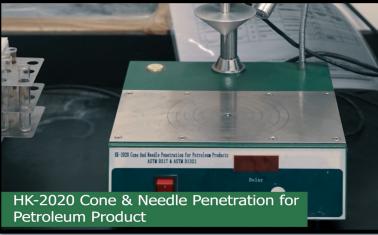






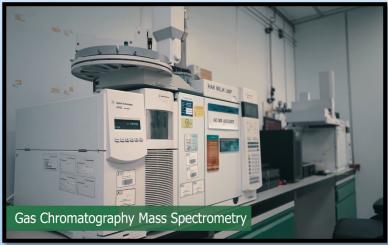
QC GREASE SERVICES













RM 200.00/sample for each testing

ACHIEVEMENTS

MNRg-GREASE

- Gold Medal, Pecipta'19 Commercialization Category, International Conference & Exposition on Inventions by Institution of Higher Learning (PECIPTA) 2019.
- Silver Medal, International Exhibition Ideas-Invention-New Products (IENA 2015), Nuremberg, Germany. Title: Formulation of Multipurpose Grease from Waste Emulsions and Red Gypsum.
- Gold Medal, 25th International Invention, Innovation & Technology Exhibition (ITEX 2014). Title: Formulation of Multipurpose Grease from Waste Emulsions and Waste Red Gypsum (From Waste to Wealth)
- Gold Medal, Creation, Innovation, Technology & Research Exposition 2014 (CITREX 2014) UMP. Title: Formulation of Multipurpose Grease from Waste Emulsions and Waste Red Gypsum (From Waste to Wealth to Wealth)

AWARDS





SUPERB 2017

AWARDS





MAIN AWARD MALAYSIA COMMERCIALIZATION YEAR (MCY) 2019 – Research Entrepreneur Award

AWARDS





PECIPTA 2017 (MNRg-Treat) & PECIPTA 2019 (MNRg-Grease) – Gold Medal

Manufacturer/OEM By MNR Multitech Sdn. Bhd

triUMPH Hand Sanitizer

- Kills 99.9%
- Moisturizing & Skin Soothing.
- Non-irrating & Non-toxic.
- 70% alcohol content, based on WHO guidelines.
- Available in 100 mL, 500 mL, 1 Litre and 5 Litre packaging.

Distributed By: UMP TECHNOLOGY SDN. BHD.





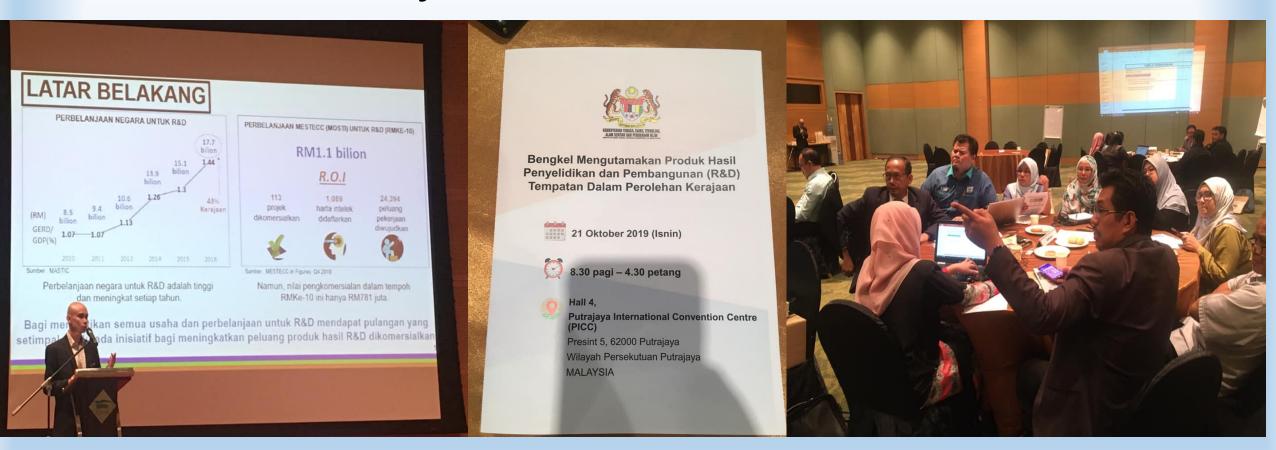
- MOISTURING & SKIN SOOTHING
- 70% ALCOHOL CONTENT

HAND SANITIZER



Product Hand Sanitizer

Bengkel Mengutamakan Produk Hasil Penyelidikan dan Pembangunan (R&D) Tempatan Dalam Perolehan Kerajaan 21 Oktober 2019



PARTICIPATE IN TECHNOLOGY DEPOSITORY AGENCY (TDA) PITCHING SESSION FOR INDUSTRIAL COLLABORATION PROGRAM (ICP) 27th February 2020



Thank You.

TOWARDS GREEN TECHNOLOGY

Want to know more about MNR Multitech, please scan below











