VOL. 72 APR 2020

PEKAN REVIEW
e-newsletter

Bridging Universiti Malaysia Pahang to the world community

D.I.Y Face Protector for the Frontliners

Translation by: AMINATUL NOR MOHAMED SAID, FACULTY OF COMPUTING

Acknowledging equipment such as face shields and the importance of medical staff serving hospitals trea
has inspired many to produce DIY face protectors using readily available materials and can be completed q

Thus, Universiti Malaysia Pahang (UMP) student volunteers lent a hand preparing ready to use face mas
past few days.

According to the Medical Officer of the Kuantan District Health Office, Dr. Muhammad Sirri Ammar Ramzar
needs are very important for the frontliners to avoid being exposed to the potentially life-threatening risks of

They appreciate the commitments of the students and the cooperation of UMP in making this venture possi

To date, a total of 500 face protectors have been produced and they will coordinate distribution to each
possible.

"Each session is limited to only 20 volunteers and to ensure cleanliness, each volunteer must be scre
medical officer on duty and must comply with the 1-meter social distance during the preparation of this
Gambang Campus on March 28, 2020.

With a target of 6,000 face protectors to produce, they welcome any cooperation from NGOs and higher ed
possible.

Meanwhile, UMP student Nursyazwani Zainurin, 22, who has been staying at the residential college dur
proud to give her contribution to the healthcare workers as well as benefiting her free time in campus.

In the meantime, a group of lecturers from the Faculty of Mechanical and Automotive Engineering Technol
200 D.I.Y face protectors to assist health workers at the Pekan District Health Office and the Pekan Hospita

This face protector is capable of preventing liquid or liquid flow between patients and operators as it is wate

It is best used in clinics or hospitals that require direct control between the patient and the operator to preve

Be wiser in choosing disinfectant produc

Translation by: NADIRA HANA AB HAMID, FACULTY OF MANUFACTURING AND MECHATRONIC ENG

Due to the outbreaks of COVID-19 in many countries around the globe, including Malaysia, items like dis
personal protective equipment are becoming more difficult to find in the market.

In fact, many has tried to produce it themselves, including disinfectant liquid, as an alternative to handle the

UMP researcher, Professor Datin Dr. Mimi Sakinah Abdul Munaim from Faculty of Chemical and Process
not to produce own hand sanitizer without consulting the experts.

“Extra precaution is needed when using chemicals such as alcohol isopropyl since it is flammable and can

“Microbial inhibition test need to be conducted to ensure safe level of usage without unwanted side effects.

“But most importantly, the product must be able to kill the germs,” she elaborates further.

She also shares her 12 years experiences in producing hand sanitizer called Germs Free Hand Sanitizer with betel leaves extract to prevent visible growth of bacteria.

“This product also contains Vitamin E and Aloe Vera suitable for the skin.

“What makes this product unique from other existing product in the market is that it can prevents the skin ethanol, a petroleum-based chemical compound.

At the moment, this hand sanitizer comes in a form of gel and liquid”, she explains.

She also added, this innovation has been tested at Biocompatibility Laboratory in Universiti Kebangsaan usage. Currently, this product has been widely used by UMP, companies, pharmacies and hospital in Kuan

“So far, we did not received any negative feedback from the customers. Many of them give positive fee irritate the skin after using it, not like other product that can be found in the market,” she added.

Further research were also conducted by our team to diversify natural scents such as lemons.

“There is also demands that it not be mixed with other aromas especially for the use of hajj pilgrims or those

“This product has been tested against bacteria and viruses (inhibit germs) with a new formula of optimal a not irritate the skin and is safe to use.

"Manufacturing of this product were done in the UMP laboratory accredited with MS ISO 13485:2016 C standards," she said.

This product is also in the process of obtaining a halal certificate for disinfectant fluid and will need to g certification of best practice management from the National Pharmaceutical Regulatory Agency (NPRA).

With the Movement Control Order (MCO) enforced by the government, the team facing many challenges to increased ten time higher than before.

Among the challenges are the lack of raw material and increase in alcohol price by 50 percent that makes it

The same goes to the prices of the bottles, including the pumps that has risen by up to 150 percent, following the outbreak of COVID-19.

Operates under UMP Renal Care Sdn. Bhd., a company under UMP Holdings Sdn. Bhd. they are capable 300 liters in various sizes of 30 ml, 50 ml, 100 ml, 500 ml and 2 liters.

The company is currently produces high-level disinfectant products based on food vinegar for the future ma

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UMP Counselors Provide Psychological Support f

Translation by: AMINATUL NOR MOHAMED SAID, FACULTY OF COMPUTING

The follow-up of the Movement Control Order (MCO) announced by the Prime Minister from March 18 ex not only about the threats of spreading the COVID-19 outbreak but also the effects of the MCO that ir including the implementation of home-based policies.

Senior Psychology Officer, Hajah Paridah Mohd Ali, who is also the Head of Counseling and Psychology Department, Universiti Malaysia Pahang (UMP) said the biggest challenge for university counselors was to counseling sessions.

“Whether they are at the Residential College or in their hometown, counselors are always ready to help pro

“In the current MCO situation, different methods have been adopted compared to the face-to-face approach

"So throughout the MCO period, counselors have taken full advantage of the use of social media and instan video communications to help address the concerns of students seeking counseling services," she said.

Earlier, she said, counseling services were also done online but this time it was fully practiced throughout th

“Students can also use the e-counseling system on the UMP portal site where students can make appointi or concerns.”

“Among the counseling services that students receive regularly throughout the MCO are academic concern fear of being infected.”

"We always provide advice and support for students to stay calm, positive and get the right information," sh

However, when asked about the experience of working from home, she said it had its own advantages balanced home and office management.

“However, there are constraints such as the lack of physical resources such as limited work space, lack o boundaries when managing families and working from home.”

“At the same time, we also need to allocate time for household chores such as cleaning, cooking, managing

"However, counseling sessions and organized meetings can still be implemented through a flexible time ma

Students can also contact all of the counselors at both UMP Pekan and UMP Gambang Campus who are the UMP Counseling and Psychology Division's 'Here To Hear' tagline by calling Hajah Paridah Mohd A (019-981 9094), Nur Azila Osman (013-468 9721) or Siti Norni Mohd Daud (013-962 1886).

While UMP staff can also seek advice through the Employee Assistance Program Unit (EAP) by contacti (019-228 6379) or UMP Psychology Officer, Nur Atiqah Mohd. Nor (013-719 0983).

UMP residents are also advised to remain calm and stay at home or on campus and to ensure that their me
MCO period.

Hopefully, the epidemic will recover soon so that we can continue our daily lives as usual.

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combination of images, colors,
Design") of this magazine is copy
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ISSN 2180-3099

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