

# LEMBAGA PEMULIHAN DAN PENGELOLAAN LINGKUNGAN INDONESIA

Head Office: Jl. Cempaka Putih Tengah III No. 6A Jakarta pusat

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## To whom it my concern

**Subject**: Certificate of Authorization to Develop Covid 19 Vaccine with a Vaccine Production Facility/Facilities, with the leadership team of Experts and Scientists, identified and presented

Innovation specialists Consortium, of leadership experts & scientists, from Egypt and Iraq, with an Investments consortium from Thailand, and Multifunctional leadership Team from Kuwait and other countries to start first coronavirus vaccine trial under Indonesian official blessing.

With more than 2.5 million people now infected worldwide in the COVID-19 pandemic, Indonesia has authorized the preclinical, clinical trial, and the mass production, to making coronavirus covid 19 vaccine. The first human tests will begin before the end of July 2020.

Closeup of a needle with a drop of vaccine at the end, Lembaga Pengelolaan dan Pemulihan Lingkungan Indonesia (LP2LI), Hereby, this certificate of approval to DEVELOP the COVID 19 VACCINE WITH A VACCINE PRODUCTION FACILITY/FACILITIES technology transfer. the Indonesian Environmental Management and Recovery Institute, represented by its executive Director (DIREKTUR EKSEKUTIF), Mr. TROY EVELON POMALINGO, has declared the time of first clinical trials of a coronavirus vaccine, Jointly with the regulatory authority which helps develop and authorizes vaccines in Indonesia, has given the go-ahead for the Preclinical and Clinical trials of a vaccine against the SARS-CoV-2 virus, within the consortium territories.

It was developed by cancer researcher and immunologist Dr. Sherif Salah and his team at pharmaceutical company DermaCure-KMWSH and is based on their prior research into cancer immunology. Salah previously taught at the University of Cairo before becoming the CEO of DermaCure, the subsidiary of KMWSH.

Dr. Salah explained that innocuous genetic information of the SARS-CoV-2 virus is transferred into human cells with the help of lipid nanoparticles, a non-viral gene delivery system. The cells then transform this genetic information into a protein, which should stimulate the body's immune reaction to secrete an uncontrolled cytokines storm to the novel coronavirus. Aside from which is now in the stage 1 testing phase, DermaCure, jointly with KMWSH www.kmwsh.nl are working to developing a novel vaccine comprising viral Target Antigens and neutralizing nonspecific antibody (immune complex). This will be the first vaccine trail in the Middle East used viral Target Antigens and neutralizing nonspecific antibody.

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The first medical tests will involve 200 healthy volunteers between the ages of 18 and 55. The aim is to determine the immune response and whether the vaccine causes any unwanted side effects. "Trials of vaccine candidates in humans are an important milestone on the road to safe and efficacious vaccines against COVID-19 for the population in Indonesia and internationally," The Senior Leadership Team of Experts and Scientists, said. Salah said testing would be completed by September, after that stage is complete.

Inside **DermaCure**-KMWSH, R&D divisions, in the field of biotechnology and biosecurity - moving very quickly trying to create a vaccine for the covid-19 virus, here at KMWSH our R&D team was alerted to what happened in 2012 due to the MERS epidemic that occurred in the KSA, and since that time we started to Developing a vaccine therapeutic treatment. in addition, and based on our previously research, conducted by us on HIV to analyze how it works, as this vaccine was built on a new method that makes it able to deal with all mutant and encapsulated viruses.

This makes scientists believe it is a sign that the body is doing a positive immune reaction but in reality it is a sign that the coupling reaction between the virus and antibodies has been synthesized making an intrinsic circulating immune complex that gives the virus the ability to idle for a period and activity several times more which causes us to believe it disappears. The consortium plan to complete phase I clinical trials as soon as posable and, if successful and subject to regulatory considerations, aim to complete the development required this year.

Vaccine	Company	Platform	Stage	Start Date	Description	Location
CRCx vaccine	Derma Cure – KMWSH LTD. and	Inactivated	Phase II-III	27.05.2020 based or Researches &	This is will be the first vaccine in the middle	Inventors from Egypt & Iraq
	Collaborators			Development Since 2012 - 2015	East, Asia, and Africa it will test three candidate's vaccine	with collaboration from Indonesia, Thailand,
					formulations	Kuwait, Turkey & Jordan

# Indonesian Government Relationship & covid 19 vaccine project coordinator

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**Note:** This certificate of approvals issued based on DERMA-CURE KMWSH consortium references and the copyrighted Attachments: 8561260420S005\_KMWSHBiotechBiosecurityandBio-AiResearch-DevelopmentDepartmentII-3BR2D – www.kmwsh.nl

Jakarta, May 27 2020

Very Truly Yours,

INDONESIAN INSTITUTE FOR ENVIROMENTAL

MANAGEMENT & RESTORATION

TROY EVELON POMALINGO

**Executive Director** 

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