



Country Report of Indonesia Nuclear Science & Technology Application in Indonesia under the COVID-19 Pandemic

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SS3-4

Jakarta, December 10th 2020



Indonesia supports FNCA in development & cooperation program on Nuclear Science and Technology (NST)









Indonesia appreciates the Government of Japan for organizing the Forum Nuclear Cooperation in Asia (FNCA) – Ministerial Level Meeting 2020 amidst the conditions of the Covid-19 pandemic.



Indonesia is committed to support the development of an intense cooperation among participating countries for promoting peaceful uses of nuclear energy.



Indonesia places great importance on the FNCA cooperation program as the main vehicle for promoting the peaceful use of nuclear science and technology.



IAEA ZODIAC and NUTEC Plastic Initiatives











Forum Nuclear Cooperation in Asia (FNCA) and International Atomic Energy Agency (IAEA) projects are mutually complement for the development of nuclear technology capability in Indonesia.



Indonesia hopes that the future collaboration program in this forum should also in line with the initiatives launched recently by the IAEA, such as such as Zoonotic Disease Integrated Action (ZODIAC) and Nuclear Technology for Controlling Plastic Pollution (NUTEC Plastic) programs.



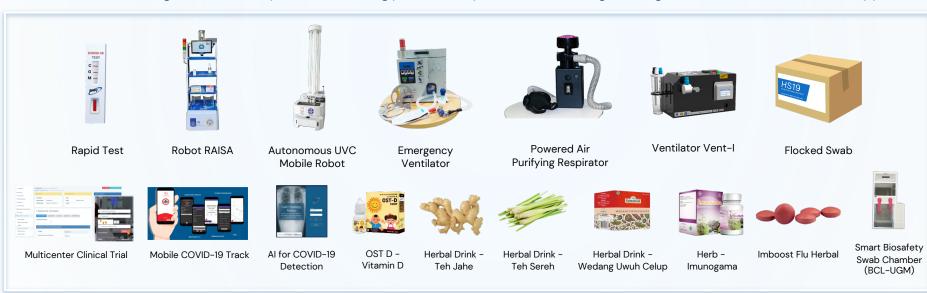
Indonesia is ready to support the implementation of both programs.



Research and Innovation Products



In order to address the COVID-19 pandemic, Indonesia has established a national consortium for innovation of various products aimed to manage the COVID-19 pandemic covering products for prevention, screening and diagnosis, medical devices and therapy.



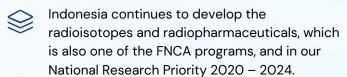
Many products of innovation are now being produced and used. The most important endeavor in this consortium is vaccine development. The work is underway. The gamma irradiation technique is planned to be used as one alternative to inactivate the virus. Irradiation using gamma and electron beam are also used to help sterilization process of various medical stuffs that increasingly needed during the pandemic.



National Research Priority 2020 - 2024



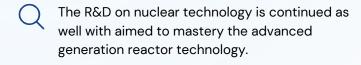








Indonesia continues to prepare infrastructures for the construction of nuclear power plant, among other by conducting the feasibility study in one of potential site.





South-South Cooperation:



"Promoting Capacity Building in Nuclear Science and Technology (NST)"



In terms of human capacity building, Indonesia promotes the Nuclear Capacity Building (NuCaB) program for providing technical capacity building to other countries.



The program has been introduced to Member States of the IAEA during a side event of IAEA 63rd General Conference entitled "South-South Cooperation: Promoting Capacity Building in Nuclear Science and Technology".



One of the implementations of this program is by participating to the IAEA's Internet Reactor Laboratory (IRL) program using "Kartini" research reactor in Yogyakarta. The FNCA participating countries are also invited to joint this IRL program.











