

รายงานผลการดำเนินงานโครงการสวนสมุนไพรคณะเภสัชศาสตร์
มหาวิทยาลัยศรีนครินทรวิโรฒ
ปี 2564

Project Description

The botanical garden of the Faculty of Pharmacy, Srinakharinwirot University has been established in 23 Rai (approximately 3.7 hectares) of an agricultural land reform area at Banna district in Nakonnayok province. The project is established in partnership with the Agricultural Land Reform Office and the Land Development Office and is intended to be a medicinal plants conservation area. The project also aids the establishment of safe and effective primary health care based on traditional medicine and medicinal herbs.

The botanical garden serves the community by providing a recreation area and workshops on how to appropriately use herbs and herbal products. Workshops have been held to provide information on the medicinal plants used in the community, as well as their safety and efficacy. Herb processing, such as drying, chopping, and storage, was also emphasized as a means of preserving herb quality. Herbs for primary health care are encouraged to be grown in the backyard by the community.

The botanical garden has supplied a variety of learning resources to support lifelong learning. We've set up a Facebook page and a website to share our reading materials and short video clips regarding herbal remedies.

To provide learning opportunities, the botanical garden hosts workshops on a regular basis that are open to anybody interested in learning about the usage of herbs and medicinal plants. In order to encourage young people to learn about traditional Thai medicine, the botanical garden has also organized a special session for school students.

Performance

In late December 2020, the Thai government approved a pilot study of the use of the herb *Andrographis* (fah talai jone in Thai and "the king of bitters," *Andrographis paniculata*, Acanthaceae) to treat early symptoms and minimize the severity of COVID-19. *Andrographis* is a traditional remedy that has been sold over the counter. However, as the demand for this herbal remedy grew, there was an issue with drug shortages. The Ministry of Public Health has encouraged people to plant *Andrographis* for use as a home remedy. As a result, the botanical

garden has launched a project to spread Andrographis plants. To achieve this goal, the botanical garden cultivated and spread the plants and seeds across the community. Furthermore, safety information of the plants has been posted on Facebook. (SDG 3.b.3 Proportion of health facilities that have a core set of relevant essential medicines available and affordable on a sustainable basis)



The botanical garden has provided a variety of learning resources to assist lifelong learning, with an emphasis on Andrographis information on COVID-19 disease. The outbreak of COVID-19 disease has increased the demand for Andrographis as a home remedy. Although the plant has many benefits, if not used appropriately, it can cause unwanted and even dangerous adverse effects. It is also critical that people understand that the plant is not intended to prevent the covid19 virus but rather to alleviate symptoms. (SDG 4.7.1 Extent to which (i) global citizenship education and (ii) education for sustainable development, including gender equality and human rights, are mainstreamed at all levels in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment.)

