



Fighting Covid 19 Using Herbal Medicine According to Local Plant Diversity

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September 29, 2021

FIGHTING COVID 19 USING HERBAL MEDICINE ACCORDING TO LOCAL PLANT DIVERSITY

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Abstract. The COVID-19 pandemic has resulted in human illness and death worldwide, a threat to human survival. The pandemic causes losses in various fields and threatens human life. Various efforts have been made to treat and prevent deaths from Covid 19, both with modern medicine and using traditional medicine. Traditional medicine can be used as a primary treatment or as an alternative treatment in cases of Covid 19, The review present various herbals treatment sources regarding efficacy to Covid 19 symptom like fever or chills, cold, cough, flu, headache, diarrhoea, tiredness/fatigue, sore throat, loss of taste or smell, asthma, shortness of breath, or difficulty breathing, etc. Traditional medicine develops according to culture, tradition and the biodiversity of medicinal plants that exist in an area, inherited by ancestors, for example in Indonesia traditional medicine is heavily influenced by the culture of drinking herbal medicine(Jamu) Traditional medicine in India (Ayurvedic). **Method:**This research is a narrative review, keyword search in journals and internet searches: traditional medicine for covid 19. The results of the search were observed for the composition of the medicinal plants contained therein.**Results and Conclusions**The tradition of people using herbal medicines has existed since the days of our ancestors in Indonesia. Herbal medicine to overcome Covid 19 is an effort to prevent and treat because there are no drugs and vaccines for Covid 19. It was found that there were 40 herbal medicines circulating in Indonesia with the formulation of 3 types of ingredients from Arabic, Chinese and mostly from local ingredients that are widely available in Indonesia. .

Key Word: Covid 19, Herbal, Medicine

1 Introduction

The world health organisation (WHO) on the 31 december 2019 the etiology of cluster of cases with pneumonia that is in the city of Wuhan , Hubei Province , China . Continued to grow until the case was finally found the cause of cluster pneumonia this novel was coronavirus (anggraeni et al . , 2021) until now this case continued to grow until spread outside china arrived full of this world and multiplied person died . On the 30 january 2020 , has announced covid-19 as Public Health Emergency (PHEIC) of International Concern . On the 12 february 2020 , WHO officially set a novel coronavirus in humans as coronavirus this disease (20).

Covid 19 cause morbidity and mortality rates increasing its need treatment strategy there much various way people do for struggle from disease. The review present various

herbals treatment sources regarding efficacy to Covid 19 symptom like fever or chills, cold, cough, flu, headache, diarrhoea, tiredness/fatigue, sore throat, loss of taste or smell, asthma, shortness of breath, or difficulty breathing, etc. like zingiber montanum (bangle) as immunomodulatory, antiviral and reduced Covid 19 symptoms contains dozen substances prevent or reduces symptoms(21).

Which 80% world population herbals treatment are relatively safe than conventional drugs(2) Majority herbal drugs generated from secondary metabolite(alkaloids, terpenoids, and phenolics compound of plant metabolism(2).

Traditional herbal medicines, basically plant-based therapies have been used for more than 5000 years with no evidence based treatment. Now several countries like India, China, Korea and Japan taking lead investing and research on evidence based traditional herbal, China successfully has its own promoted(2).

Till now is no known how drug to combat SARS-CoV combat by manifest action like fatigue, cough, shortness of breath and other(2).

Drug herbal act to combat Covid 19 for example like Echinacea species have been used historically for immune modulation. A previous rapid review suggested that Echinacea supplementation may decrease the levels of pro-inflammatory cytokines involved in cytokine storm(29). Other the Curcuma species have been examined against various plant pathogens and insect pests that harm food crops. The present review discusses the efficacy of essential oils, extracts and few main components derived from a wide range of Curcuma plants against a wide variety of pests and pathogens of food crops(29).

1.1 Table 3

Table 3 the form of herbal medicine covid 19 on the market

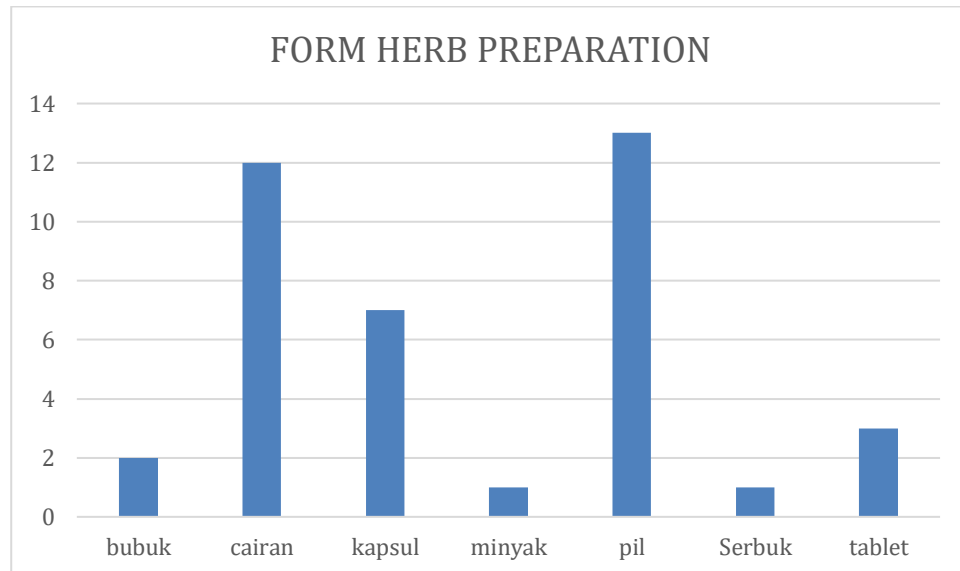


Table 3 Showed the preparations medicinal herbs found circulating in dipasaran in form of powder , liquid , the capsule , oil , pills , the pollen and tablet.

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