PEDICULUS HUMANUS CAPITIS AS A MEDICINE FOR HEPATITIS

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ABSTRACT FOR POSTER. TOPIK 9: DEVELOPMENT AND PRACTICE OF TRADITIONAL MEDICINE

Title:

PEDICULUS HUMANUS CAPITIS AS A MEDICINE FOR HEPATITIS

By. Dewi Sulyantini

Nemeng Siti Sifi Ambarwati

Causes Hepatitis is a kind of virus that attacks the human immune organs Liver sections (liver). Such disease is a contagious disease. In the normal healthy state, the condition of SGOT / SGPT 35-40, which if SGOT / SGPT above the normal threshold was diagnosed with hepatitis commonly known as jaundice or liver. The results of 10 samples in sub Cimekar Cileunyi Bandung, discovered infectious hepatitis, drugs hometown kind of 'ticks' (Pediculus Humanus) at a dose of 1-2 ticks only, which contain elements of C, Al, Cl, and Pb. No more than 3 days SGOT / SGPT patients returned to normal.

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INTRODUCTION

Economic levels tend to be middle class if you have pain, almost never went to the doctor or to the hospital, is not affordable cost grounds.

It is also an experienced public area residents Cimekar Cileunyi, Bandung. Survey results obtained in April - May 2012 contracted "yellow fever" or liver, with a population of patients with liver disease as many as 27 children at the age of 8-11 years old, elementary school age, so in this study, a random sample of data retrieval taken 10 children for laboratory tests on blood test.

The disease is characterized by dizziness, nausea, hot, cold and pale. Then, the water reddish urine. Infectious disease, because the virus. And the kids just to the teacher sick leave 2-3 days, without going to see the doctor or hospital. Normally occupied areas still thick with customs village, they are traditionally treated by giving the tick 1-2 tails were entered on banana and eaten by the diseased liver.

Typically, less than 3 (three) days later, the patient will gradually recover liver disease. With marked body condition started strong and fresh, and urine of patients to normal water, clear - yellowish - brass.

THEORETICAL

Pediculosiscapitis

Pediculosiscapitis also known as head lice or head lice. Animals come into the family Pediculidae, often found on the scalp and suck blood. Can be eradicated by hand, scit combed, or lice medication.

Head lice or Pediculosiscapitis cause more severe problems than dandruff. Lice female measuring about 3-4 mm, slightly larger than the male lice, laying between 7-10 points in a month of his life. Eggs are oval shaped like a capsule attached to the hair shaft strong. The larvae will hatch about 1 week and become adult lice about 10 days later. Female ticks, fleas males, and larvae suck the life blood from the scalp. When smoked, these lice inject saliva or saliva into the scalp to prevent blood clot immediately. Saliva is injected causing unbearable itching. Scratching can cause sores and secondary infections, the infections caused by other bacteria, such as inflammation of the scalp and hair loss.
Head lice are spread by direct contact, such as using the comb, hair brushes, pillows, or hats patients. Also through the seats of public transport, cinemas and other public facilities are not maintained clean. Disturbance head lice can be treated with anti-lice effectively use substances containing mexachlorhexane 0.5%. Drug rubbed in the hair and scalp and left for 24 hours before washing with shampoo. If the remaining nits in the hair, it can be cleaned using a tight-toothed comb or serit.

HEPATITIS (LIVER)

Liver disease sometimes also called jaundice. Liver or liver is an important organ in the human life. The liver has over 500 functions, and one of them is to neutralize the toxins - toxins that enter the body. The liver is located on the top right of our stomach and consists of two parts, namely the right lobe and left lobe. Liver disease can also be called with hepatitis or liver inflammation. There are two kinds of hepatitis, if less than 6 months it is called acute hepatitis, while suffering over 6 months is called chronic hepatitis.

There are many causes of liver disease, can be partly innate, metabolism disorders, viral or bacterial infections, medications - certain drugs which are toxic to the liver, infection, toxins, malnutrition, alcohol, also bias their addiction.

The symptoms of liver disease are yellow eyes, frequent vomiting and loss of appetite, pain in the upper right abdomen, body fatigue, pale-colored stool, brown urine, low blood sugar, easily depressed, is enlarged veins.

There are some traditional herb that has been written in some books for this liver disease. Among other things, mixed with chili Java lempuyang rhizomes. Another book mentions healing with crushed leaves pare coupled with salt.

OBSERVATIONS

Of the population of the 27 elementary school students school children Cimekar Cileunyi a liver illness, then take a random sample of 10 children with liver for laboratory testing his blood test results as follows:

Table 1: Laboratory data SGOT / SGPT Liver patients in Cimekar

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Age (year)</th>
<th>Contents SGOT/SGPT</th>
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<tbody>
<tr>
<td>1</td>
<td>Hudan</td>
<td>11</td>
<td>51 - 55</td>
</tr>
<tr>
<td>2</td>
<td>Eri</td>
<td>11</td>
<td>50 - 54</td>
</tr>
<tr>
<td>3</td>
<td>Angga</td>
<td>11</td>
<td>51 - 56</td>
</tr>
<tr>
<td>4</td>
<td>Teti</td>
<td>11</td>
<td>51 - 56</td>
</tr>
<tr>
<td>5</td>
<td>Sari</td>
<td>11</td>
<td>50 - 55</td>
</tr>
<tr>
<td>6</td>
<td>Yanto</td>
<td>10</td>
<td>50 - 56</td>
</tr>
<tr>
<td>7</td>
<td>Yusuf</td>
<td>10</td>
<td>51 - 55</td>
</tr>
<tr>
<td>8</td>
<td>Devi</td>
<td>10</td>
<td>50 - 56</td>
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<tr>
<td>9</td>
<td>Nani</td>
<td>9</td>
<td>50 - 55</td>
</tr>
<tr>
<td>10</td>
<td>Lia</td>
<td>9</td>
<td>51 - 55</td>
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</tbody>
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* Sources of clinical laboratory blood tests in collaboration with medical students.

From the laboratory results, obtained an average SGOT / SGPT patients between 50-56 at the age of 9-11 years.

While the value of the normal / healthy children SGOT / SGPT is 35-40, and data from laboratory test urine for 55-60, it is clear that children infected liver simultaneously and stated that the area is infected liver.
DISCUSSION

The cause of liver disease in this area is a kind of viral hepatitis A, the factor contaminated food. Because the weather was very hot temperature / drought in April-May 2012 as well as the health of food hygiene in consumption, nor neglect of a healthy lifestyle, and a steady lead contaminated liver disease.

Type of food consumed during the dry season, the children usually often eat / drink foods / drinks were cold as ice, syrup colored with essentialism artificial flavors and sweetness sweetener made from high sugar levels as well as the very hot weather factor but high winds and dry, causing children rarely eat breakfast or a regular weight. So easy to catch liver disease caused by hepatitis A.

Because it is at the same time every few days the area of liver disease or yellow. Characterized by dizziness, nausea, hot, fever, and pallor. Then, the water reddish urine. The occupation of the area is classified as a medium of economy and society are still thick with village customs, their traditional medical treatment by providing ticks 1-2 tails were entered on banana and eaten by the diseased liver. In the process of healing the children are given food and Snail shells. Food and Snail many types of shellfish containing high Cl levels can reduce levels of bilirubin in the blood that causes yellow to be seen patient liver disease.

Lice, or Pediculosis Capitis in Latin, from the results of laboratory testing analysis, obtained content:
While liver disease is caused SGOT / SGPT above normal 35-40. Pediculosis capitis levels, containing Al. 1486; Cl. 2621, and Pb. 2342. commonly used in the township as a healing remedy jaundice. Although there is disagreement about the number of questions that high levels of Pb.

Banana

Bananas can be called as the fruit of life. The content of potassium which is pretty much contained in this fruit can lower blood pressure, heart health, and facilitate the delivery of oxygen to the brain. In addition, the high content of Vitamin A can increase the body’s resistance to respiratory infections, scaly skin, and a blindness. Another benefit, bananas can be a substitute for staple foods, thereby reducing dependence on the people of Indonesia to rice.

Humans have been eating bananas since time immemorial. The word banana comes from the Arabic, the maurus which Linneus Musaceae incorporated into the family, to pay tribute to Antonius Musa, who is a Roman emperor’s personal physician (Octavius Augustus) who advocated for a banana. That is why in Latin, banana called Musa paradisiaca.

Historically, bananas came from Southeast Asia by Muslim missionaries spread to West Africa, South America and Central America. Furthermore banana spread throughout the world, including the tropics and subtropics. Banana producing countries are well known of which are: Brazil, the Philippines, Panama, Honduras, India, Ecuador, Thailand, the Caribbean, Columbia, Mexico, Venezuela, and Hawaii. Indonesia is the fourth producer of bananas in the world.

The tropical climate and soil conditions are suitable which contains humus allow banana plants is widespread in Indonesia. Today, almost all parts of Indonesia region producing bananas.

Bananas are not familiar with the harvest season, can bear fruit any time. The result can reach 1-17 comb each bunch or 4-40 Kg per cluster, depending on the species. In one horn banana bunches are 1-7 combs, while the banana 7-17 comb. The fruit can be eaten directly or processed first.

Based on the benefits for the benefit of man, banana trees divided into three kinds, namely banana fiber, ornamental banana and banana fruit. In banana fibers (Musa Textilis), which is used not fruit, but the stem fibers for textile manufacture. Bananas are commonly grown ornamental fruit but not to be taken as a pretty ornament, examples are bananas and banana Pisangan fan.

Banana Fruit (Musa paradisiaca) planted with the aim to utilize its fruits. Banana fruit can be divided into four groups. The first group is directly edible after being cooked (also called banana table), for example, is: kepok banana, milk, green, gold, royal, yellow Ambon, Ambon moss, barangan and cavendish bananas.

The second category is the edible once processed first, for example banana horns, oil, cotton, and bananas bangkahulu. Third category is bananas can be eaten directly after cooking and after being processed first, for example kepok bananas and plantains.

The fourth bracket is of edible bananas while still raw, such as bananas klutuk (banana rock) that taste good to sepat and made salad. Klutuk banana with the skin is often added to the salad to prevent stomach pain after eating salad or mules.
People who suffer from liver disease usually have symptoms of fever, lethargy, weakness, headache complaints of nausea and want to vomit. Therefore, for patients with liver, two bananas a day with the addition of one tablespoon of honey, be good to increase appetite and increase strength.

* Photo at Elementary School shooting events Cimekar

CONCLUSION

That the cause of liver disease in this area is the hepatitis A virus, contamination of food consumed by children elementary school age, the average SGOT / SGPT above its normal is 50-56.

With traditional treatment using Pediculosis capitis 1-2 tails in patient edible bananas, and eating shellfish and Snail type, blood bilirubin decreased liver patients, causing yellow looks at her. For three days this liver disease gradually recovered and returned to school.
REFERENCES


Kusuma goddess, Your Hair Problems, Care, and setting and New York: Scholastic, 2003.


Dalimartha, Setiawan, Indonesia Drug Plants Atlas Volume 5 Plant Medicines Reveals Wealth of Indonesia, Jakarta: Library Lady, 2008.


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INTERNATIONAL SEMINAR ON NATURAL PRODUCTS MEDICINES

Current Issues on Future Researches and Applications of Natural Product Medicines
Bandung, 22-23rd November 2012
OPT-055 Ade Zuhrotun
Sirsak Leaves (Annona muricata L.) as Herbal Anticance For Prostate Cancer Therapy

OPT-056 Muhamad Zakaria
Phytochemicals and cardiovascular activity evaluation of Hibiscus sabdariffa. L fruits extracts

POSTER PRESENTATION SCHEDULE

Poster session 1
Day & Date : Thursday, 22 November 2012
Time : 15.10-16.00
Place : (East Hall)
Poster Number : PPT-001 – PPT046

Poster session 2
Day & Date : Friday, 23 November 2012
Time : 10.45-11.15 and 13.00-13.30
Place : (East Hall)
Poster Number : PPT-047 – PPT096

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chromatography analysis showed that there were polyphenols and flavonoids, methyl acetate fraction.

Pediculus humanus CAPITIS AS A MEDICINE FOR HEPATITIS

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State University of Jakarta
*Corresponding author : dsuliyanthini@yahoo.co.id

Hepatitis is a kind of virus that attacks the human immune organs. Liver sections disease is a contagious disease. In the normal healthy state, the condition SPT 35-40, which if SGOT / SGPT above the normal threshold was diagnosed is commonly known as jaundice or liver. The results of 10 samples in sub region Bandung, discovered infectious hepatitis, drugs hometown kind Pediculus humanus) at a dose of 1-2 ticks only, which contain elements Al and Pb. No more than 3 days SGOT / SGPT patients returned to normal.

Hepatitis, Pediculus humanus, SGOT, SGPT

2,3,5-trihydroxy-1,4-naphtalene, an antimicrobial metabolite from the culture endophytic fungus Coelomyces TCBP-4

Prapliwi*, Y Jamal†, A Fathoni†, A Agusta†
donesian Institute of Sciences, Research Center for Biology, Cibinong
*Corresponding author : bislunatin@yahoo.com

Identification and antimicrobial assay of secondary metabolites of endophytic fungi were isolated from bratwari (Tinospora crispa) had been carried out. The fungus cultivated in Potato Dextrose Broth (PDB) for 1 month followed by extraction by metabolites with ethyl acetate. The extract was separated and purified by chromatography techniques, obtained 9 fractions. Fraction 3e was re-purified and 6 fraction (3e,3e). Fractions 3e,3e were tested against bacteria isolates Staphylococcus aureus Bacillus subtilis, Escherichia coli and yeast isolate Candida albicans. The result showed that fractions 3e,3e had higher antibacterial compared to chloramphenicol as commercial antibiotic. It was indicated by MIC fractions (8 μg/ml) compared to MIC of chloramphenicol (16 μg/ml) toward S. aureus fraction 3e,3e had better antifungal activity compared to nystatin and cefadocin. GC-MS analysis showed that the chemical constituent of 3e,3e fraction was 1,4-naphtaledenedione-3 acetyl-2,5,7 trihydroxy.

Tinospora crispa, endophytic fungi, isolation, identification, antimicrobial