



1st INTERNATIONAL HALAL CONFERENCE & EXHIBITION 2019

The Pros and Cons of the Using of Frog as a Medical Treatment in Society

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ABSTRACT: *Green frog, F. cancrivora, or called farmland frog which is the most hunting for taking its thigh meat not only for consuming but also for export commodity because its body's length is the biggest of all other two types which is almost 120 mm. Karawang is the biggest frog exporter cities followed by Indramayu then Banten. Green frog, F. cancrivora's thigh meat is harvested from the Karawang farmland reaches up to 153.227 kg in 2014. Green frog has some advantages that can be used in any concerns such as health food, and treatment process due to its pretty much nutritional content and its benefit for health. According to the health reference from some sources, the nutritional compositions in green frog are protein, fat, carbohydrate, calcium, phosphor, zinc, vitamin A, vitamin B1, vitamin C and various kinds of fatty acid. All these substances can give benefits for both health and treatment. There are some differences from the number of Muslim scholars related to consuming animals that live in two natures, both on land and in water. The Indonesian Ulama Fatwa Commission confirms that there are some differences in the opinion of the Syafii sect / Ulama's jumhur about the illegitimacy of eating frog meat and confirming the Maliki school of halal frog meat. The MUI appeal society to choose for consuming health-safe foods and to take out of differences in the views of fuqoha (fiqh experts). Cultivating frogs is taken for granted, not to be eaten since it is against Islamic teachings.*

KEYWORDS: *Green Frog and Treatment*

I. INTRODUCTION

Treating various diseases with herbal or traditional treatments is still believed and fairly effective. Green frog or *F. cancrivora* or also called farmland frogs are hunted most for thigh meat which is intended as consumption and also as an export commodity, because the frog's body length is the biggest compared to the other two types, which can reach 120 mm. Karawang, is the area that exports the largest frog meat, then the second largest from Indramayu Regency, then continued by Banten Province.

F. cancrivora's thigh meat harvested from Karawang regency's farmlands reached 153,227 kg in 2014. It turns out that these two natural animals have a myriad of benefits to cure all viral diseases. Frog's skin that contains many substances is believed to be able to kill microbes that cause disease. This ability is due to the process of adapting frogs to the environment. Frogs tend to live in dangerous places. Frogs have lived for 300 million years and have successfully developed the body's defense system to deal with environments that endanger themselves. No wonder the frog contains disease killer ingredients. But unfortunately toxic for germs is also toxic to humans. United University Aran Emirates has conducted research to modify substances contained in the skin of frogs, to be used for humans by eliminating harmful side effects. 100 new antibiotics from frog skin have been identified and are able to fight Methicillin-resistant *Staphylococcus aureus* bacteria. Its skin is rich in nutritious chemicals that are capable of killing, viruses, bacteria, and fungi. Given its toxicity, the researchers made modifications to the molecular level of substances contained in the skin of frogs.

Scientists at Queen's University, Belfast, Northern Ireland, were honored for their research on frogs and frog skins that could benefit the treatment of 70 major diseases. The scientists received awards for medical discovery, the Medical Futures Innovation Awards, in



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London. The study, led by Professor Chris Shaw at Queen's Pharmacy College, found two types of proteins that can regulate how blood vessels grow. They found that proteins from certain types of frog (monkey frog) can inhibit the growth of blood vessels and can be used to kill tumor cells. (<https://www.bbc.com.2017>)

Professor Chris Shaw said that most tumor cells can only grow to a certain size before the cells need blood vessels to grow into the tumor to deliver very important food and oxygen substances. "Stopping the growth of blood vessels will reduce the possibility of the spread of tumors and may kill the tumor," he said. "This has the potential to turn cancer from a deadly disease into a chronic condition." The team led by Professor Shaw also found that a type of giant frog (firebellied) produces proteins that can stimulate blood vessel growth and can help cure patients from injuries and surgery more quickly. "(The findings) have the potential to treat various diseases and conditions that require blood vessels for faster treatment, such as treating wounds, organ transplants and damage from strokes or heart disease," said Professor Shaw (<https://www.bbc.com.2017>).

Nutritionist Marc Lawrence said, Frogs contain high protein or 16 grams per pound and 0.3 grams of fat. Frog thighs are also rich in omega-3 fatty acids, potassium and vitamin A, besides the taste and texture of the meat is softer, like a mixture of chicken and fish so that it can be cooked in any way. "Compared to grilled chicken breast, frog meat is far more protein and low fat. (Syarifah, Fitri. 2015).

II. LITERATURE REVIEW

2.1. A Short History of Frogs

Frog cultivation has been carried out in several countries, both hot climates and 4 seasons. Noted European countries that have cultivated frogs include France, the Netherlands, Belgium, Albania, Romania, West Germany, Britain, Denmark and Greece, the United States and Mexico. Whereas in Asia China, Bangladesh, Indonesia, Turkey, India and Hong Kong have cultivated frogs. The history of frogs is unknown because it is almost everywhere, because of its ability to adapt to its surrounding environment.

2.1.1. Frog / frog definition

By definition in the world of taxonomy, the difference between frogs and toads has no special meaning. However, in general in the lives of everyday people, they say the differences between them are based on some physical aspects they have.

In Wikipedia it is explained, frogs in English: frog is an amphibian that eats insects that live in fresh water or on land, slippery skin, green or brownish red, back legs are longer, are good at jumping and swimming. Whereas frogs, another name for English bangkong: toad, has rough skin and has pimples or fronds, often dry, and its hind legs are often short, so that most frogs are not very good at leaping far

2.1.2. Frog type

Classified Frogs in the Anura order, namely Amphibians without tails. In the Anura order there are more than 250 genera consisting of 2600 species.

There are 4 types of native Indonesian frogs consumed by the community, namely:

1. Rana Macrodon (Green Frog) which is green and decorated with greenish brown dots and grows to 15 cm
2. Rana Cancrivora (rice field frog) lives in the paddy fields and its body can reach 10 cm, its body has brown spots
3. Rana Limnocharis (swamp frog) has meat that tastes the most delicious just 8 cm in size

Rana Musholini (giant toad / stone) is only found in Sumatra, especially West Sumatra, weighs 1.5 kg and reaches a length of 22 cm. (Hidayah, 2015)

2.1.3. Ingredients in Frog Meat



Animals themselves have several advantages that are widely used in various interests. In Chinese eating houses, frogs have long been known as one of the delicacies. The dish is known as swie kee (swie: water, kee: chicken) because frog thighs remind the audience of chicken thighs.

As for detailed information from nutritional information sources, which were examined by Food Weight per 100 grams of frog animal meat are as follows:

- a. Amount of Energy Content Frog = 73 kcal
- b. Amount of Frog Protein Content = 16.4 gr
- c. The amount of Frog Fat Content = 0.3 gr
- d. Frog Carbohydrate Content = 0 gr
- e. Amount of Frog Calcium = 18 mg
- f. Amount of Frog Phosphorus = 147 mg
- g. Amount of Frog Iron Content = 1 mg
- h. Amount of Vitamin A Content Frog = 0 IU
- i. Amount of Vitamin B1 Frog Content = 0.14 mg
- j. Amount of Vitamin C content Frog = 0 mg

2.1.4. Benefits of Frog for Health

Besides being able to be used for food purposes, some of the benefits of frog meat are very influential on health. Some of these benefits: 1. Animal Protein Sources. Frog meat is good for health because frog meat is a source of animal protein which is high in nutritional content. Even frog meat is also believed to cure various diseases, such as those that also exist in the benefits of snake meat. Treating Impotence in Men. Frog meat served in the form of juice, it actually has properties to treat impotence in men. In Peru, this juice is called Viagra because it is very suitable for people with impotence. Even the people of Peru believe that frog juice can increase stamina. 3. Overcoming Heart Damage It turns out that frog meat also has the potential to treat wounds caused by heart disease damage. For that, the toad meat you want to eat can be processed into small pieces and mixed with thin slices of petai, garlic, and soft ground pepper.

The ingredients are boiled in water, then added salt and two teaspoons of the benefits of real honey. The most important thing in boiling it should not be more than 20 minutes because the frog meat extract can be lost. 4. Prevent Asthma In addition to treating impotence, it turns out frog juice derived from frog meat is also able to prevent other diseases such as asthma. This famous frog juice in Peru, usually known as extracto de rana and is very popular in the local market in the city of Lima. 5. As an antibiotic. Many of the scientists know that, the skin attached to frog meat contains many substances that function to kill microbes that cause disease. Including a research team from the United Arab Emirates University, conducted research to modify substances contained in the skin that attach to frog meat so that it can be used for humans as antibiotics. One of them is able to fight staphylococcus aureus bacteria causing deadly infections in patients in hospitals. 6. Cure Injuries Quickly Researchers from the team of Prof. Chris Shaw also found that fire-bellied frog meat that produces protein can help someone if they want to recover from injury in a faster time. This research also has the potential to treat patients' wounds in various diseases. 7. Prevent Bronchitis. Besides being able to prevent asthma and impotence, frog juice from frog meat is also able to prevent diseases such as bronchitis. This frog juice is widely known in Peru known as extracto de rana and is widely sought after in the city's local markets of Lima 8. Overcoming Stroke Damage Prof. Shaw revealed that frog meat has the potential to treat various diseases and other conditions that require rapid repair of blood vessels, such as healing from damage caused by stroke. Good for people with diabetes. As with sufferers of heart disease, diabetics can consume frog meat to restore the disease. Because, there is also research that states that frog meat can heal the wounds experienced by diabetics. 10. Overcoming Cancer Prof. Chris Shaw from England managed to identify 2 proteins produced



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by frog meat, able to overcome cancer. These two waxy monkey frog proteins can inhibit blood vessel growth and kill cancer tumors. In addition, there is also a doctor from herbal medicine in Jakarta using the mucus produced by frog meat as an alternative treatment material for cancer. With infusion media, this treatment is also chemotherapy which does not feel hot like chemotherapy in general. (Sumardi, Edi. 2015)

2.1.5. Pro Cons of Frog Consumption According to Ulama

There are differences in Ulama's opinion in responding to the law of consuming frogs. There are opinions that prohibit consuming and there are opinions that allow it.

Opinions that prohibit are:

The scholars who forbid consuming frogs were Hanafiyyah, Syafi'iyah and Hanabilah.

Abdullah bin Abdur Rahman ad-Dimasyqi al-Ottoman ash-Syafi'i in his book *Rahmah al-Ummah fii Ikhtilaf al-Aimmah* explained the words of the cleric regarding the prohibition on consuming frogs: Abu Hanifah said: "It is not permissible to eat marine animals except fish and from marine species specifically." Imam Ahmad said: "May eat sea animals except crocodiles and frogs. It is necessary to slaughter it except fish such as sea pigs, seals, and tame animals. " And some Syafi'iyah scholars argued, "Marine animals must not be eaten except fish. And some others say: Prohibition of eating seals, sea pigs, big fish, rats, scorpions and those that match land animals. " In other books, scholars of Hanafiyyah and Malikiyyah argue, "Animals that can live on land and in the sea are unclean because they include khabits. Rasulullah Shalallahu ahu Alaihi Wasallam forbade the killing of frogs, if the frog was lawful the Messenger of Allaah ahu Alaihi Wasallam would not forbid him to kill him. "

The Shafi'i scholar argues, "All the corpses in the water are halal except frogs." The Hanabilah scholar argued, "Every animal that can live on land and in water is not lawful if without slaughter, such as frogs should not be eaten because the Messenger of Allah Shallallahu 'Alaihi Wasallam forbade him to kill." Mentioned in the book *Mausu'ah al-Fiqh al-Islamiy wa al-Qadaya al-Mu'ashirati*, the opinion of the jumhur ulama besides Malikiyah is eating his law frog illegally. As in the hadith he forbids killing frogs.

عَنْ عَبْدِ الرَّحْمَنِ بْنِ عُمَانَ: أَنَّ طَبِيبًا سَأَلَ النَّبِيَّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ عَنْ ضِفْدَعٍ يَجْعَلُهَا فِي دَوَاءٍ فَنَهَاهُ النَّبِيُّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ عَنْ قَتْلِ

The hujjah they take is from the hadith of Rasulullah Shalallahu 'Alaihi Wasallam following this, It is narrated by Abdurrahman bin Utsman al-Quraish: "When a doctor asked the Messenger of Allah Shallallahu 'Alaihi Wasallam about the frogs used in the drug mix, the Messenger of Allah Shallallahu 'Alaihi Wasallam forbade him." [HR. Abu Dawud)

عَنْ عَبْدِ اللَّهِ بْنِ عَمْرٍو رَضِيَ اللَّهُ عَنْهُمَا قَالَ: لَا تَقْتُلُوا الضَّفَادِعَ فَإِنَّ نَفْيَهَا تَسْبِيحٌ

Imagine the above hadith like Abdullah bin 'Amru and Anas bin Malik.

From Abdullah ibn 'Amru Radhiyallahu 'Anhu, he said, "Do not you kill the frogs because the sound of their voice is pure". (Issued by Baihaqi)

Other words:

عَنْ أَنَسٍ قَالَ: لَا تَقْتُلُوا الضَّفَادِعَ فَإِنَّهَا مَرَّتْ عَلَى نَارِ إِبْرَاهِيمَ، فَجَعَلَتْ فِي أَفْوَاهِهَا الْمَاءَ، وَكَانَتْ تَرُشُهُ عَلَى النَّارِ

From Anas bin Malik Radhiyallahu 'Anhu, he said, "Do not you kill the frog because of his mouth coming out of the water that flowed into the fire when Abraham was burned." It is also tied up in the rules of the jurisprudence with the following arguments.

الأصل في النهي للتخريم

"The original law of a ban denotes a ban"



Opinions that allow are:

Among the opinions of scholars who are able to consume frog is Malikiyya's opinion. Imam Malik said: "It is permissible to eat fish and other than crabs, frogs, seals, and sea pigs, but the sea pig is disgusting. In this case Imam Malik tells him to always be careful. "

Ibn Abdil Barr states in his book al-Kafi, "It is according to the Maliki School that it is possible to eat the snake meat when it is slaughtered, as well as the lizard flesh, the hedgehog and the frog. It can also eat crab meat, turtles, frogs and no problem eating fish from the people of Majusi because fish do not need to be slaughtered. "

The Malikiyya scholar argued, "It may eat frogs, insects, crabs, and tortoises, because there is no proposition forbidding them. As for the ban with khabits, there must be a proposition of syar'i, not by human opinion. So, animals that are considered to be khabits by human law are not illegal, as long as there is no proposition that prohibits them. " The hujjah they use to allow frogs to eat is based on the prophecy of prophecy that states that frogs include marine animals.

As the word of Allah Ta'ala:

أَجَلٌ لَكُمْ صَيْدُ الْبَحْرِ وَطَعَامُهُ مَتَاعًا لَكُمْ وَلِلسَّيَّارَةِ ۖ وَحُرْمٌ عَلَيْكُمْ صَيْدُ الْبَرِّ مَا دُمْتُمْ حُرْمًا

"It is lawful for you to hunt down the sea and food from the sea as a delicacy for you, and for those who are on the way and forbidden for you a game of land, as long as you are in ihram" (Surah Al-Maidah : 96)

The significance of the above argument is reinforced by the hadith of Rasulullah Shallallahu 'Alaihi Wasallam on the ocean:

هُوَ الطَّهْرُ مَاؤُهُ وَ الْجِلُّ مَيْتَتُهُ

"The sea is holy water and halal its dead." (Narrated by An-Nasa'i, Ibn Majah, Abu Dawud, at-Tirmidzi, Ahmad).

Ibn al-'Arabi said: "Warning to eat animals living on land and in water, as there are contradictory arguments between their halal and lust, then as a form of caution should take the unlawful evidence." (Hidayah, 2015)

III. METHODOLOGY

This research method uses descriptive exploration or traces of opinion, describing several phenomena or descriptions of phenomena that occur. According to Hidayat (2014) exploratory research is research that is conducted to look at and explore causal relationships about an event that is able to exert influence. In this study describing the benefits of green frogs in medicine, the opinions of some people about the benefits of green frogs and the relationship of the use of green frogs with religion.

IV. RESULTS & DISCUSSION

A study illustrates the opinion of some people who have confirmed the danging of green frogs. Reported by Shanghai Daily (2015) a man named Gao 70 years suffering from skin disease for years, Gao heard eating frogs can clean poisons from the body, Gao boiled frogs into soup and ate it. An hour later, Gao started vomiting and felt dizzy. He suffered a shock with his heart rate drop as low as 30 beats per minute. After getting emergency treatment and stomach washing, Gao was sent to the intensive care unit of Songjiang Central Hospital.

In 2013, a Shanghai woman cooked frog soup to treat her heart disease and later died after poisoning. A doctor explained, some frogs might be safe to eat. But Chinese medicine that involves eating frogs to cure illness or cancer doesn't work.

Unlike the man named Kyung Yun (40 years) from North Korea, interviewed by Kyun Yun with asthma since birth, heard that frogs can treat asthma, then kyung Yun regularly eats frogs for the past year. The effect is very felt, until now Kyung Yun's asthma has never recurred.



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Pros and Cons of green frogs are still being debated, because some opinions exist saying halal and haram, even in some supermarkets green frog meat is free to be traded. Imam Maliki justifies green frogs to be eaten because frogs are not wild animals that have sharp fangs and nails. According to him "Food or animals that are prohibited from being eaten by God, there must be a negative side and danger", but green frogs have many benefits to consume, especially for health.

While according to the Hanafiyah and Shafi'i schools of thought at first thought, animals that could live on land and in the sea were forbidden because they included khabsits. As for the treatment with an emergency purpose that does not have other drugs and has been treated by various doctors, it does not heal, the sale and purchase is allowed.

V. CONCLUSION

According to the Malikiyyah school of thought the practice of buying and selling frogs for treatment is absolutely permissible because it may be legal to eat frog meat, insects, crabs and turtles, because there is no nash or proposition that forbids it. As for the prohibition on the grounds of khabsits, it must be with Nashik, not with human opinion. According to the schools of Hanafiyah and Syafi'ipada at first thought, animals that could live on land and in the sea were forbidden because they included khabsits. As for the practice of buying and selling frogs for treatment with an emergency purpose that does not have other drugs and has already been treated by various doctors, it does not heal, the sale and purchase is allowed.

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