



Q:

Why do we need sustainable agriculture?

 \mathbb{A} :

Agriculture is very important to human life, the most common agriculture system being used is conventional cropping system.

However, some people and farmer respect for personal health and environment, so they started to use of organic matter for the agriculture. Sustainability agriculture is a system by useing the organic matter to produce healthy product and good for environment.

Objectives

- 1. Anyalyze the importance and necessary to keep up sustainability agriculture.
- 2. Anyalyze the benefit and the problem on using organic cropping system.
- 3.Attempt to spread the organic cropping system throughout the farming members.

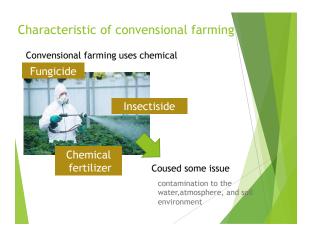


What is the most important to keep up sustainable agriculture?

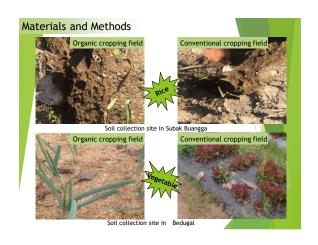
A:

Recycle-based farming

circulate, manure and pesticide used for agriculture. Waste appearing at stock raising and agriculture, home is used by fertilizer







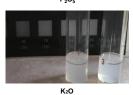
Materials and Methods





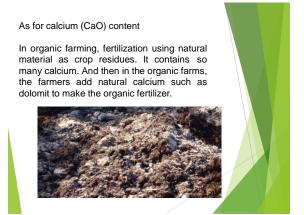






Comparison of the data by using Dr. Soil In rice field									
	NO ₃	P ₂ O ₅	CaO	K ₂ O	pН				
Organic farm	1	25	400	150	6.5				
Convenstional farm	1	5	200	100	7				
In vegetable field NO ₃ P ₂ O ₅ C ₈ O K ₂ O PH									
Organic farm	no ditection	150	1000	150	7				
Convenstional farm	5	150	100	35	7				
Why are there some difference between soil of organic field and convensional field?									

- >Soluble inorganic fertilizers first go into the soil solution, mainly as ions that either bind to soil particles or stay in the solution. Some of the nutrient elements such as N,P,K in solution may leach out due to rain or irrigation.
- >Organic fertilizers require microbial activity to break N,P,K down in the soil so they are released more slowly for plant use.





The government bears the 90% expense of fertilizer.

Much Stable and higher price than conventional productions

Inside quality is good as a result of using cattle manure for fertilization and controlling the weed and insects by hand-pulling

	Organic rice	Convensional rise		
Price	5000 rp/kg	4000 rp/kg		
Yield	6-7 ton/ha	6-7 ton/ha	Ī	

Problems

Need more workers than conventional farming system

More difficult and inconvenient to operate

Appearance looks not good like conventional farming productions

conclusion

- Organic farming is more beneficial than conventional farming for not only personal healthy, but on environment and sustainability agriculture also.
- Spreading organic farming system to society is the most important task.

How to spread organic farming



Diffusion of Technical guidance
Most of farming members are exceed to 50 years old and
just get elementary education so that they can not know the details of organic farming

Definitions of organic farming for producter and consumer

