



**CHULALONGKORN
UNIVERSITY**

TUMSAT
CU

CHULALONGKORN UNIVERSITY



First university
in Thailand

Physical
properties,
biology, taste ...





Chemistry

FOOD

Produce

ICE CREAM MAKING

Chemistry



PROCESS TO MAKE ICE CREAM



Mixing

Homogenization

Pasteurization

Cooling &
Aging



PROCESS TO MAKE ICE CREAM



Freezing

Packing

Harding



INGREDIENTS

Milk powder

Salt

Each ingredient
has the
important role

Sugar

Water

DAILY FARM



Produce

WORK

5a.m. , 2p.m.

Feeding



Washing



Milking



Using the
machine



Massaging

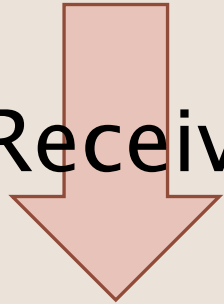
INCOME

First several years

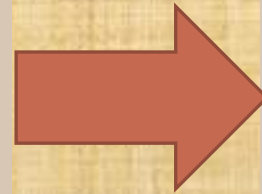
Very hard



Receive



Assistance



After several years

Steady income

(¥ 60,000 / day
≒ 240,000 bahts / day)





- Engineer → farmer
- 28 years old



Success!!

PROBLEM OF FARM

The average age of famers

	Average age
Thailand	54
Japan	63

Serious problem

WHY IS STARTING FARM DIFFICULT?



- Land
- Money
- Knowledge

MEASURES IN JAPAN

Subsidies

- Government of Japan

Internships

- Recruit agency

Event





- Government of prefecture

Matching

- NPO

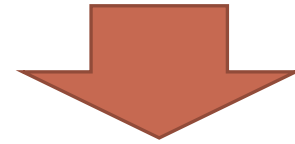
MATCHING



			 
Land & Equipment	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
Knowledge & skill	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
Man Power	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>

| CONCLUSION

- Cooking and Agriculture are closely related
- We need agriculture



Role model & System



