

## YEAR 2020 - 2030

### NEW FOOD PRODUCT INNOVATION

Food products which are innovative and applicable for industrial sector and entrepreneurship

### FUNCTIONAL FOOD DEVELOPMENT

Application of food commodity which has effect for maintaining health and body metabolism (including food fortification) and applicable in food industry

### DEVELOPMENT OF NEW FOOD ALTERNATIF

Develop food source which has not utilized into new food product that can be applied for government sector for food safety and public

### FOOD SAFETY

Associated with microbiology, chemical dan physical hazards, connected with poisoning case and natural additive exploration, such as natural preservatives, dye, sweetener that can be applied for public

### FOOD QUALITY AND NUTRITION

Develop quality control and food quality management and increase nutritional value of processing food that applied to public

## ROADMAP OF RESEARCH AND COMMUNITY SERVICE FOOD TECHNOLOGY DEPARTMENT ENGINEERING FACULTY - UPN VETERAN JAWA TIMUR

- Development and coaching of locally material as regional superior products
- Food Product Development based on mangrove fruit (lindur variety) and study of its functional effect
- Coaching of Innovation Technology based on snake fruit and corn for publik
- Accompaniment of industrial business development based agrotechnology in East Java
- Empowerment of fisherman wives on increasing of food production based on fishery product

### FOOD ANALYSIS AND CHEMISTRY

### FOOD SAFETY AND MICROBIOLOGY

### FOOD NUTRITION AND BIOCHEMISTRY

### FOOD PROCESS ENGINEERING

## LECTURER'S AREA OF EXPERTISE

- Technology and product innovation based on local and high efficiency material
- Optimalization of locally business potency for community empowerment

## **ROAD MAP PRODI TEKNOLOGI PANGAN**