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Implementasi Mutu Dalam Organisasi Berbasis Agroindustri

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Abstrak

Implementasi mutu dalam organisasi berbasis agroindustri memegang peranan penting dalam meningkatkan efisiensi, daya saing, dan keberlanjutan sektor ini. Standarisasi mutu yang jelas pada subsistem usaha tani, termasuk analisis parsial, fungsi produksi, efisiensi alokasi faktor produksi, serta analisis linear programming (LP), menjadi langkah awal dalam menjamin kualitas produksi. Pengembangan sistem manajemen mutu (QMS) diterapkan melalui pendekatan komprehensif yang mencakup pelatihan sumber daya manusia, penerapan teknologi dan inovasi, serta pemantauan dan evaluasi kinerja secara berkala. Selain itu, pengelolaan risiko dalam rantai pasok agroindustri, seperti pada industri susu, dilakukan dengan menggunakan pendekatan berbasis logika fuzzy untuk mengidentifikasi dan menilai risiko pada berbagai pemangku kepentingan, termasuk peternak, koperasi, industri pengolahan, dinas terkait, serta lembaga keuangan. Kolaborasi dan kemitraan antara sektor publik dan swasta juga menjadi faktor kunci dalam mendukung penerapan mutu yang berkelanjutan. Dengan berfokus pada keberlanjutan, implementasi mutu dalam organisasi agroindustri diharapkan dapat menciptakan sistem yang lebih adaptif, efisien, dan berdaya saing tinggi.

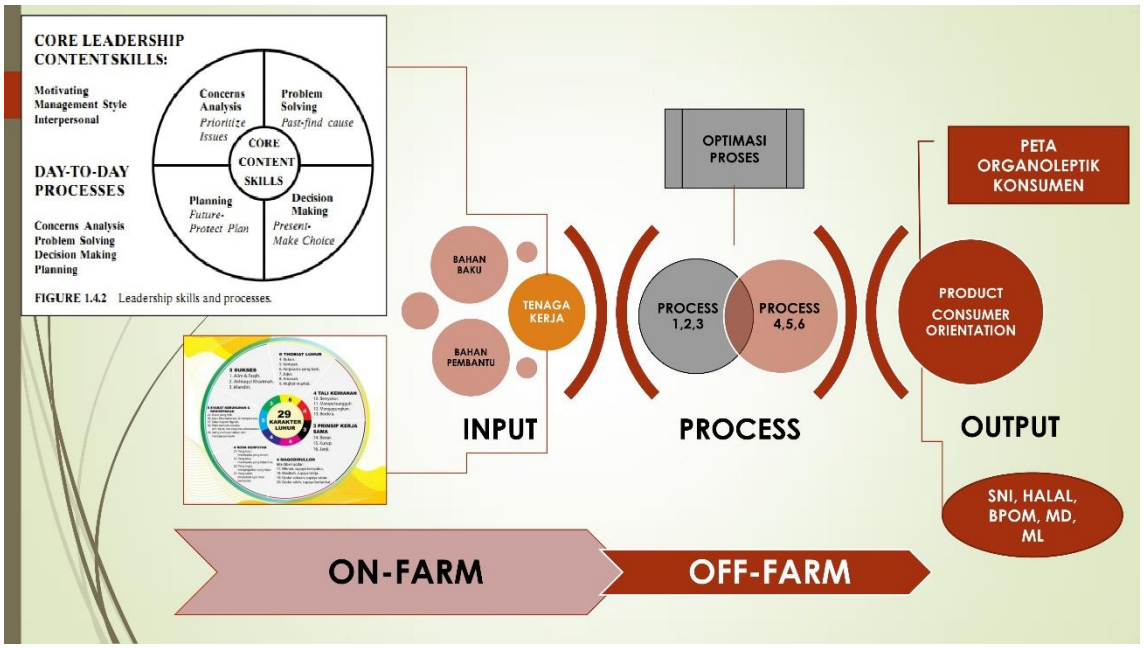
Kata kunci: Agroindustri, Keberlanjutan, Manajemen Risiko, Mutu

Abstract

The implementation of quality in agroindustry-based organizations plays a crucial role in enhancing the efficiency, competitiveness, and sustainability of this sector. Clear quality standardization in the farming subsystem, including partial analysis, production functions, efficiency in allocating production factors, and linear programming (LP) analysis, serves as an initial step in ensuring production quality. The development of a quality management system (QMS) is carried out through a comprehensive approach that includes human resource training, the application of technology and innovation, as well as regular performance monitoring and evaluation. Additionally, risk management in the agroindustry supply chain, such as in the dairy industry, is conducted using a fuzzy logic-based approach to identify and assess risks among various stakeholders, including farmers, cooperatives, processing industries, relevant government agencies, and financial institutions. Collaboration and partnerships between the public and private sectors are also key factors in supporting the sustainable implementation of quality. By focusing on sustainability, the implementation of quality in agroindustry organizations is expected to create a more adaptive, efficient, and highly competitive system.

***Keywords**: Agroindustry, Risk Management, Quality, Sustainability*


LEARNING ABOUT SCIENCE
IMPLEMENTASI MUTU DALAM ORGANISASI BERBASIS AGROINDUSTRI
Asst.Prof.Dr.Eng.Ir.H. Mujianto, MP
Statistics Industry, Process Technology and Halal Management
Agricultural Industrial Technology
Wijaya Kusuma Surabaya University


CORE LEADERSHIP CONTENTSKILLS:
Motivating
Management Style
Interpersonal
DAY-TO-DAY PROCESSES
Concerns Analysis
Problem Solving
Decision Making
Planning
Concerns Analysis
Prioritize Issues
Problem Solving
Past-find cause
CORE CONTENT SKILLS
Planning
Future-Protect Plan
Decision Making
Present-Make Choice
FIGURE 1.4.2 Leadership skills and processes.
OPTIMASI PROSES
PETA ORGANOLEPTIK KONSUMEN
BAHAN BAKU
TENAGA KERJA
BAHAN PEMBANTU
PROCESS 1,2,3
PROCESS 4,5,6
PRODUCT CONSUMER ORIENTATION
INPUT
PROCESS
OUTPUT
SNI, HALAL, BPOM, MD, ML
ON-FARM
OFF-FARM

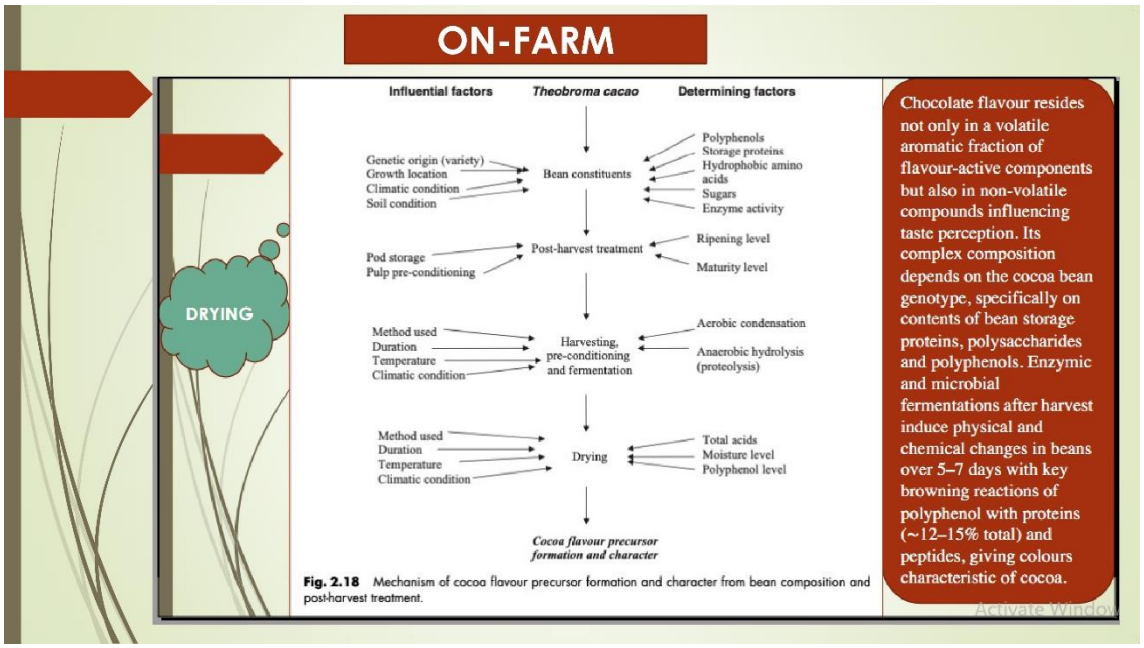
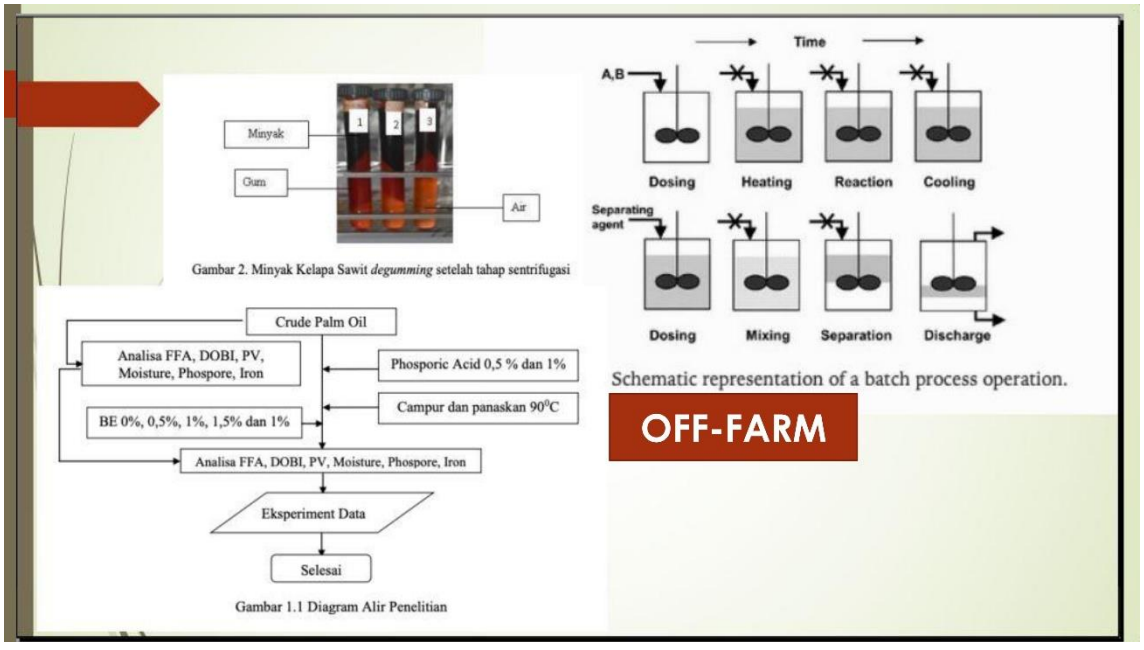


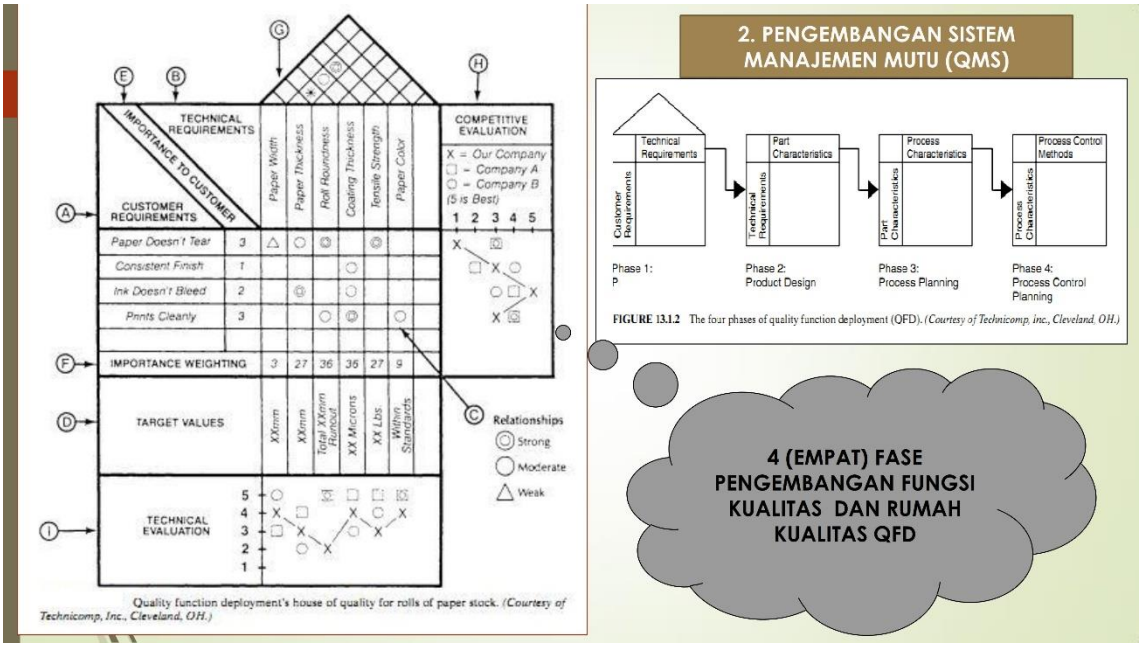
Fig. 2.18 Mechanism of cocoa flavour precursor formation and character from bean composition and post-harvest treatment.

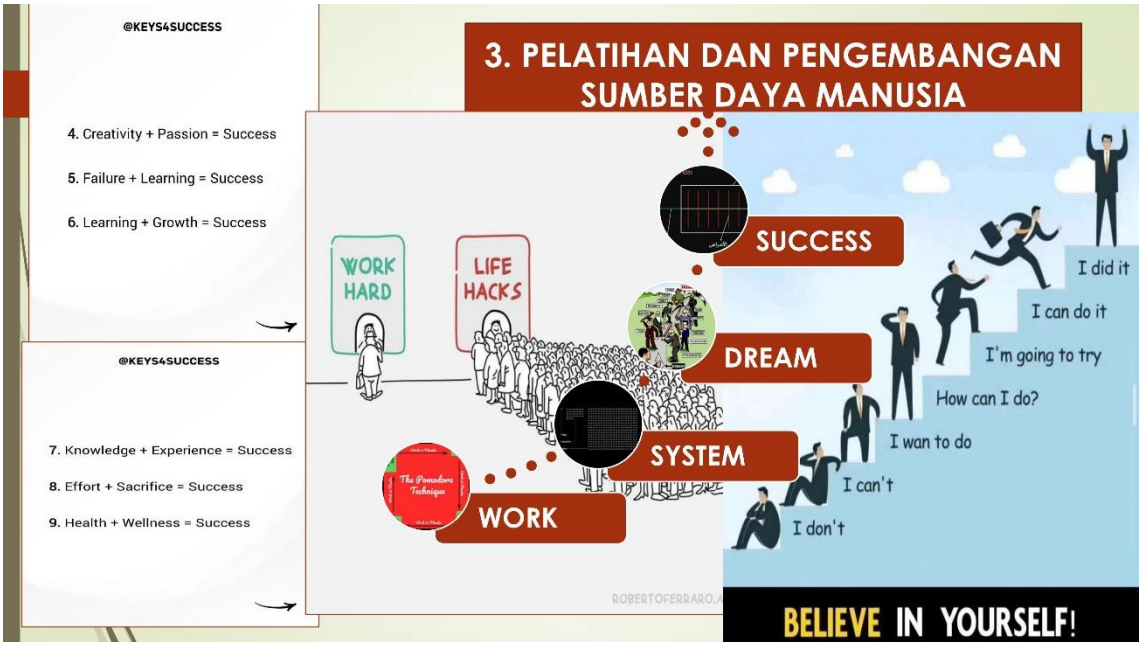
Kandungan FFA CPO Sebelum dan Setelah Proses Degumming terhadap Bleaching pada 0.5 wt % Fosphoric Acid

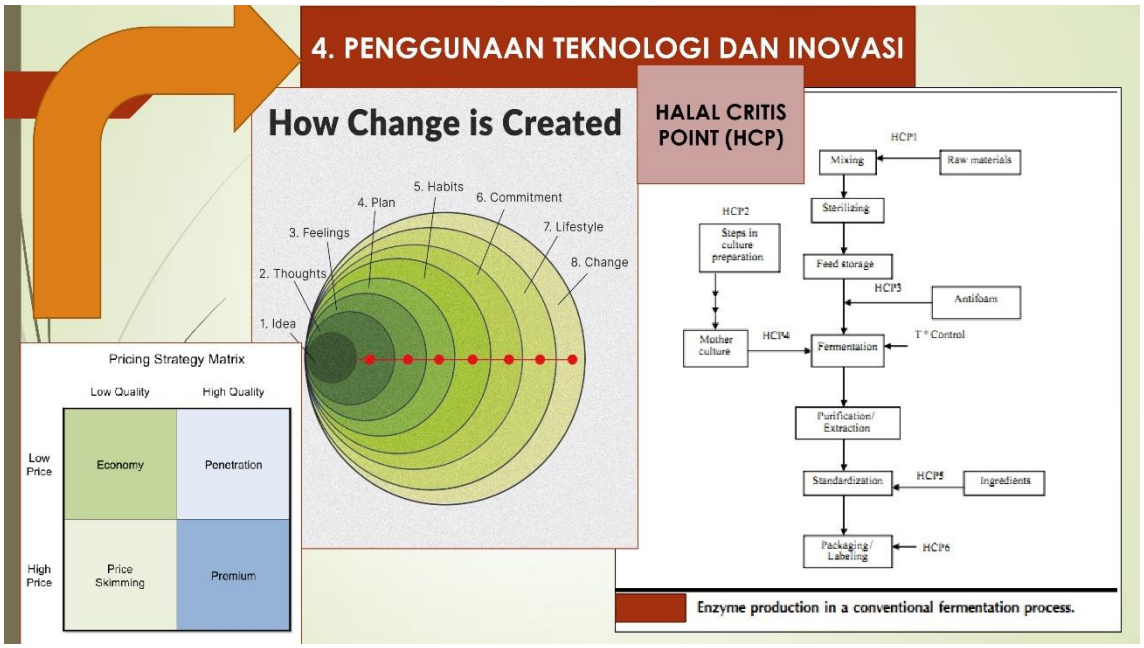


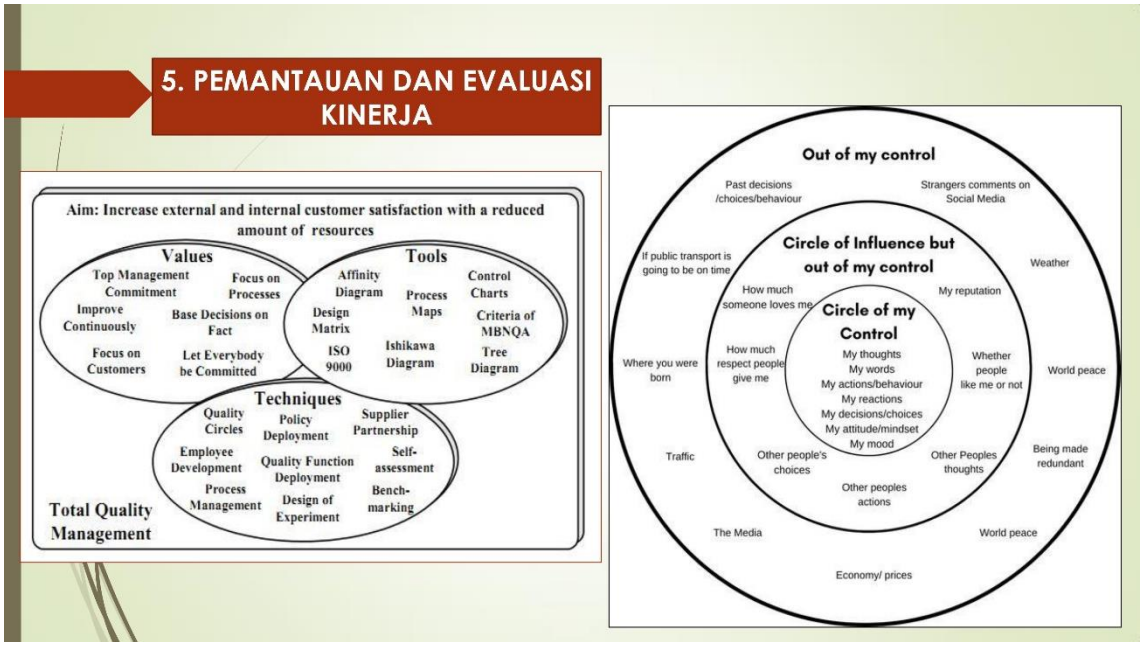
Gambar 2. Minyak Kelapa Sawit *degumming* setelah tahap sentrifugasi

Gambar 1.1 Diagram Alir Penelitian

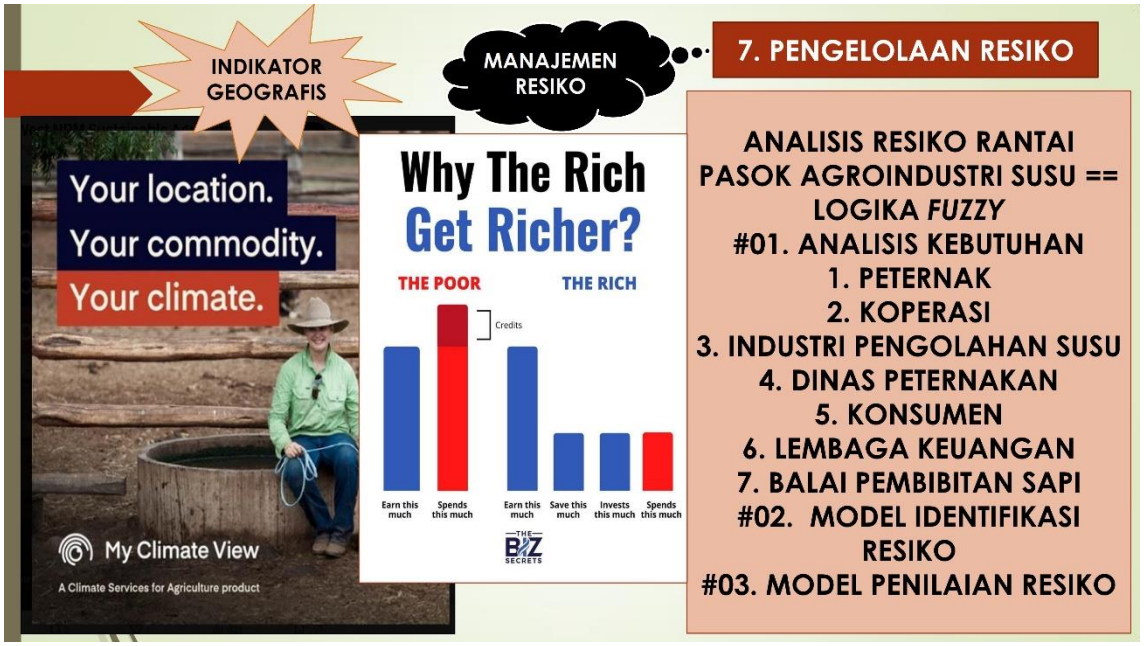

2. PENGEMBANGAN SISTEM MANAJEMEN MUTU (QMS)
Technical Requirements
Part Characteristics
Process Characteristics
Process Control Methods
Customer Requirements
Technical Requirements
Part Characteristics
Process Characteristics
Phase 1: P
Phase 2: Product Design
Phase 3: Process Planning
Phase 4: Process Control Planning
FIGURE 13.1.2 The four phases of quality function deployment (QFD). (Courtesy of Technicomp, Inc., Cleveland, OH.)
4 (EMPAT) FASE PENGEMBANGAN FUNGSI KUALITAS DAN RUMAH KUALITAS QFD
TECHNICAL REQUIREMENTS
IMPORTANCE TO CUSTOMER
CUSTOMER REQUIREMENTS
COMPETITIVE EVALUATION
Paper Width
Paper Thickness
Roll Roundness
Coating Thickness
Tensile Strength
Paper Color
Paper Doesn't Tear
Consistent Finish
Ink Doesn't Bleed
Prints Clearly
IMPORTANCE WEIGHTING
TARGET VALUES
TECHNICAL EVALUATION
Relationships
Strong
Moderate
Weak
Quality function deployment's house of quality for rolls of paper stock. (Courtesy of Technicomp, Inc., Cleveland, OH.)

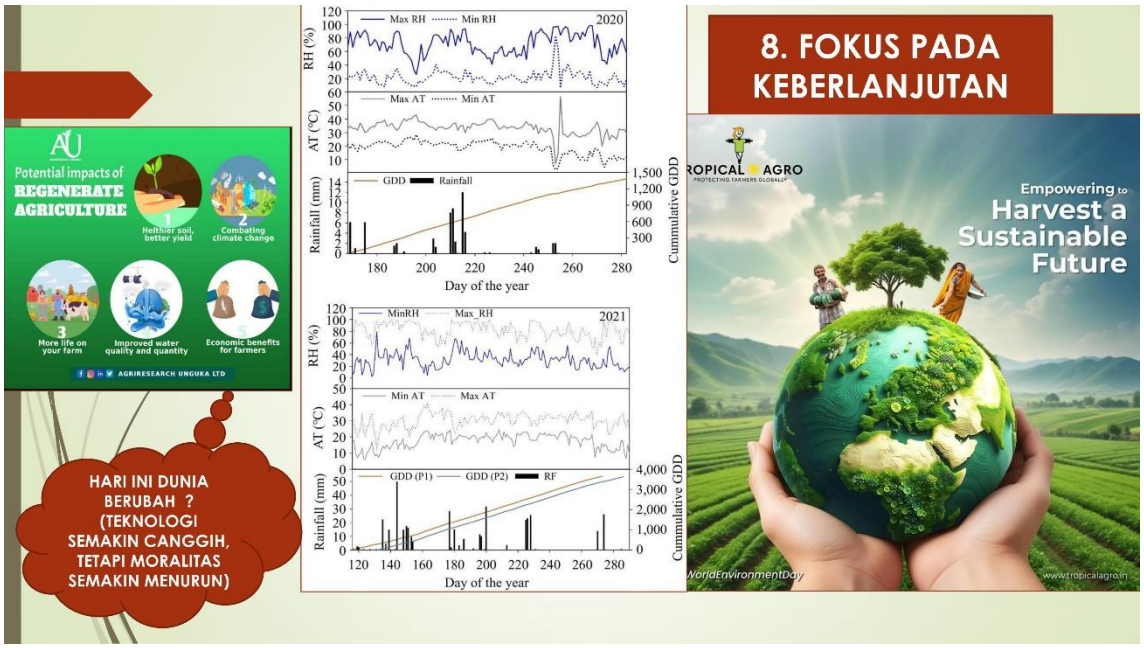

3. PELATIHAN DAN PENGEMBANGAN SUMBER DAYA MANUSIA
@KEYS4SUCCESS
4. Creativity + Passion = Success
5. Failure + Learning = Success
6. Learning + Growth = Success
@KEYS4SUCCESS
7. Knowledge + Experience = Success
8. Effort + Sacrifice = Success
9. Health + Wellness = Success
WORK HARD
LIFE HACKS
SUCCESS
DREAM
SYSTEM
WORK
I did it
I can do it
I'm going to try
How can I do?
I wan to do
I can't
I don't
BELIEVE IN YOURSELF!


4. PENGGUNAAN TEKNOLOGI DAN INOVASI
How Change is Created
1. Idea
2. Thoughts
3. Feelings
4. Plan
5. Habits
6. Commitment
7. Lifestyle
8. Change
Pricing Strategy Matrix
Low Quality
High Quality
Low Price
High Price
Economy
Penetration
Price Skimming
Premium
HALAL CRITIS POINT (HCP)
HCP1
Mixing
Raw materials
Sterilizing
HCP2
Steps in culture preparation
Feed storage
HCP3
Antifoam
Mother culture
HCP4
Fermentation
T ° Control
Purification/ Extraction
Standardization
HCP5
Ingredients
Packaging/ Labeling
HCP6
Enzyme production in a conventional fermentation process.


5. PEMANTAUAN DAN EVALUASI KINERJA
Aim: Increase external and internal customer satisfaction with a reduced amount of resources
Values
Top Management Commitment
Focus on Processes
Improve Continuously
Base Decisions on Fact
Focus on Customers
Let Everybody be Committed
Tools
Affinity Diagram
Process Maps
Control Charts
Design Matrix
Criteria of MBNQA
ISO 9000
Ishikawa Diagram
Tree Diagram
Techniques
Quality Circles
Policy Deployment
Supplier Partnership
Employee Development
Quality Function Deployment
Self-assessment
Process Management
Design of Experiment
Bench-marking
Total Quality Management
Out of my control
Past decisions /choices/behaviour
Strangers comments on Social Media
If public transport is going to be on time
Weather
Circle of Influence but out of my control
How much someone loves me
My reputation
Circle of my Control
My thoughts
My words
My actions/behaviour
My reactions
My decisions/choices
My attitude/mindset
My mood
Where you were born
How much respect people give me
Whether people like me or not
World peace
Traffic
Other people's choices
Other Peoples thoughts
Being made redundant
Other peoples actions
The Media
World peace
Economy/ prices


TARGET OURCOME Geopark dan Biosphere
6. KOLABORASI DAN KEMITRAAN
GATRAcom
Atensi Wapres Ma'ruf terhadap Papua Dorong Akselarasi Pembangunan
By Muhammad - 06 Juni 2024
"Semua pihak harus berkolaborasi untuk mewujudkan 'Papua Bangkit, Mandiri, dan Sejahtera yang Berkeadilan' yang tetap menghargai simbol kearifan lokal sebagaimana disampaikan oleh Wapres dalam kunjungannya ke Papua,"
Pengamat Birokrasi | Khairul Anam


INDIKATOR GEOGRAFIS
MANAJEMEN RESIKO
7. PENGELOLAAN RESIKO
Your location.
Your commodity.
Your climate.
My Climate View
A Climate Services for Agriculture product
Why The Rich Get Richer?
THE POOR
THE RICH
Credits
Earn this much
Spends this much
Earn this much
Save this much
Invests this much
Spends this much
ANALISIS RESIKO RANTAI PASOK AGROINDUSTRI SUSU == LOGIKA *FUZZY*
#01. ANALISIS KEBUTUHAN
1. PETERNAK
2. KOPERASI
3. INDUSTRI PENGOLAHAN SUSU
4. DINAS PETERNAKAN
5. KONSUMEN
6. LEMBAGA KEUANGAN
7. BALAI PEMBIBITAN SAPI
#02. MODEL IDENTIFIKASI RESIKO
#03. MODEL PENILAIAN RESIKO


Potential impacts of
REGENERATE AGRICULTURE
Healthier soil, better yield
Combating climate change
More life on your farm
Improved water quality and quantity
Economic benefits for farmers
AGRIRESEARCH UNGUKA LTD
HARI INI DUNIA BERUBAH ?
(TEKNOLOGI SEMAKIN CANGGIH, TETAPI MORALITAS SEMAKIN MENURUN)
Max RH
Min RH
2020
Max AT
Min AT
GDD
Rainfall
Cummulative GDD
Day of the year
MinRH
Max_RH
2021
GDD (P1)
GDD (P2)
RF
8. FOKUS PADA KEBERLANJUTAN
TROPICAL AGRO
Empowering to
Harvest a Sustainable Future
WorldEnvironmentDay
www.tropicalagro.in


Coconut Meat
Coconut Powder
Coconut Oil
Coconut Cream
Coconut Water
Coconut shel
Coconut Shell / Husk
SANTEN GULO KLOPO
CEKAP SEMANTEN
ATUR KULO