

ITP504

Food Ethics:

Food is much more than what is on our plates

Purwiyatno Hariyadi

phariyadi@apps.ipb.ac.id

Professor, Department of Food Science & Technology, Faculty of Agricultural Engineering & Technology, Bogor Agricultural University, Bogor, Indonesia

Senior Scientist, Southeast Asian Food & Agricultural Science & Technology (SEAFAST) Center, Bogor Agricultural University, Bogor, Indonesia

Vice Chair, Codex Alimentarius Commission (CAC), Intergovernmental body of FAO/WHO.



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN

.... is much more than what is on our plates



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

phariyadi@apps.ipb.ac.id
phariyadi.staff.ipb.ac.id

1. NILAI PANGAN

.... is much more than what is on our plates



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN

.... is much more than what is on our plates

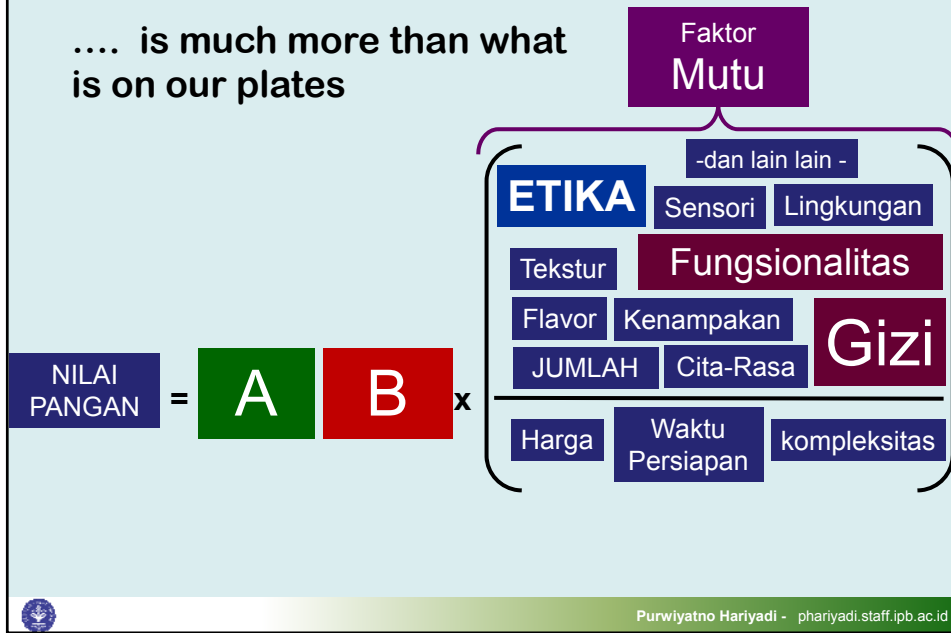
$$\text{NILAI PANGAN} = \begin{matrix} \text{A} & \text{B} \end{matrix} \times \left[\begin{array}{c} X_s \\ Y_s \end{array} \right]$$



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

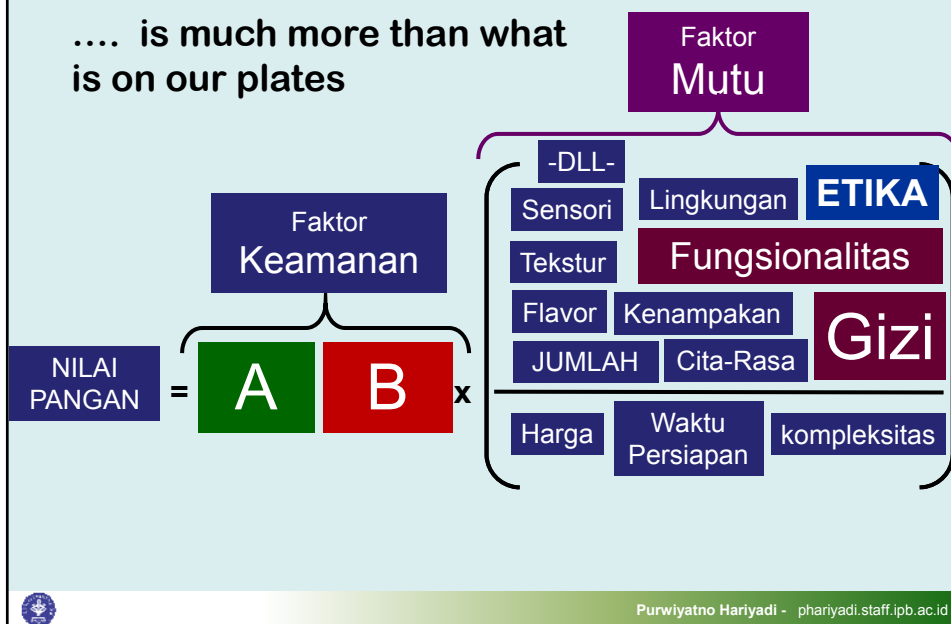
1. NILAI PANGAN

.... is much more than what is on our plates



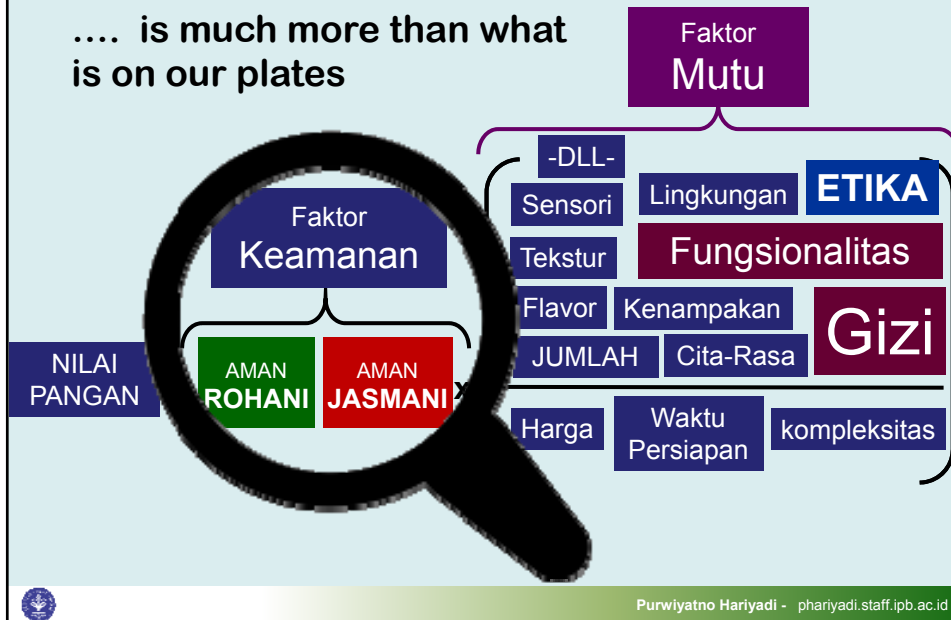
1. NILAI PANGAN

.... is much more than what is on our plates



1. NILAI PANGAN

.... is much more than what is on our plates



1. NILAI PANGAN

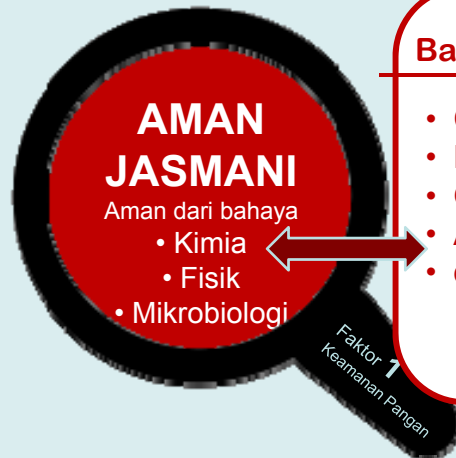
Keamanan Pangan adalah kondisi dan upaya yang diperlukan untuk

- (i) mencegah pangan dari kemungkinan **cemaran biologis, kimia, dan benda lain** yang dapat mengganggu, merugikan dan membahayakan kesehatan manusia, serta
- (ii) tidak bertentangan dengan agama, keyakinan, dan budaya masyarakat

sehingga aman untuk dikonsumsi
(UU No 18, 2012)



1. NILAI PANGAN



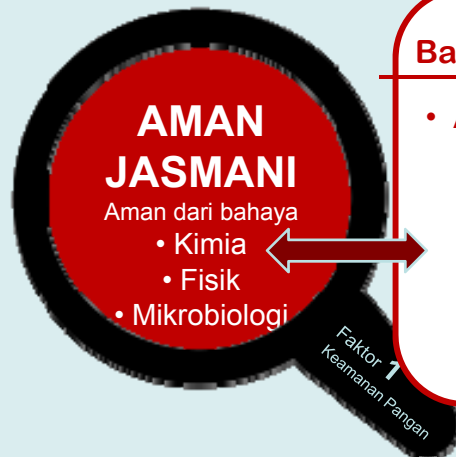
Bahaya Kimia

- Cemaran
- Residu pestisida,
- Obat hewan,
- Alergen
- dll



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN



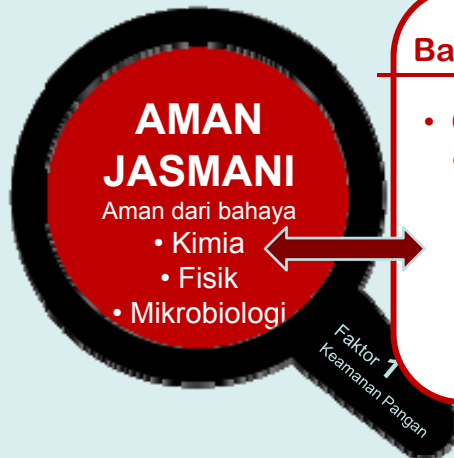
Bahaya Kimia

- Alergen (8 utama)
 - Peanuts
 - Tree Nuts (*walnuts, pecans, almonds, cashews, hazelnuts/ macadamia nuts, pistacio nuts*)
 - Milk
 - Egg
 - Wheat
 - Soy
 - Fish
 - Shellfish



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN



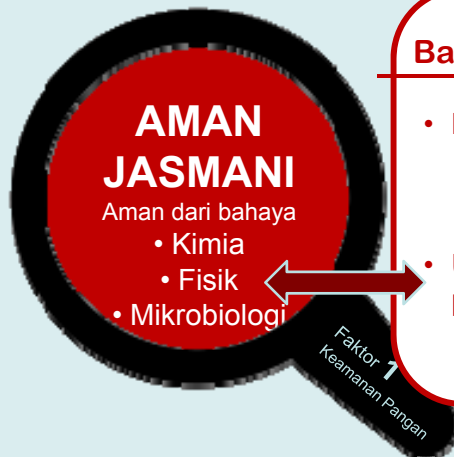
Bahaya Kimia

- **Cemaran** → *Processing contaminants*
 - **MCPD**
 - **Acrylamide**
 - **MCPDE**
 - **GE**
 - **?**



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN



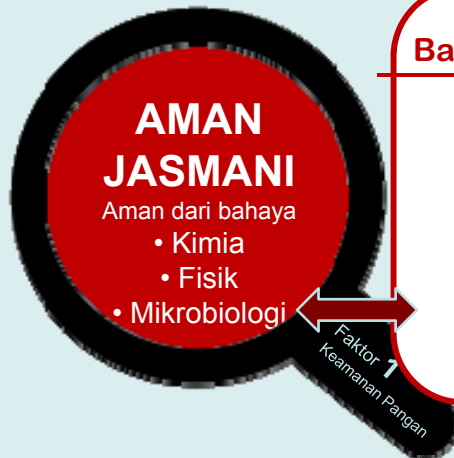
Bahaya Fisik

- **Bahan asing:**
 - Batu/kerikil, potongan kayu, tulang, biji stapler, dll
- **Ukuran dan konsistensi pangan**



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN



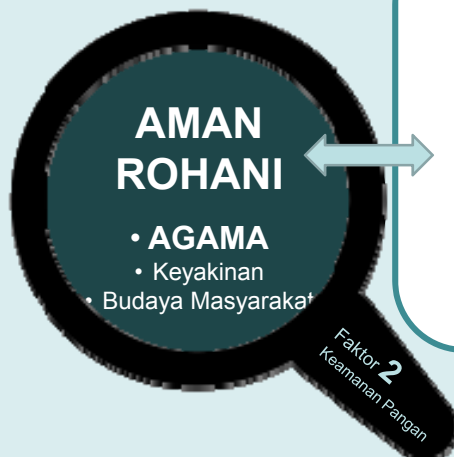
Bahaya Mikrobiologi

- Bakteri,
- Viruses
- Parasites
- Prion



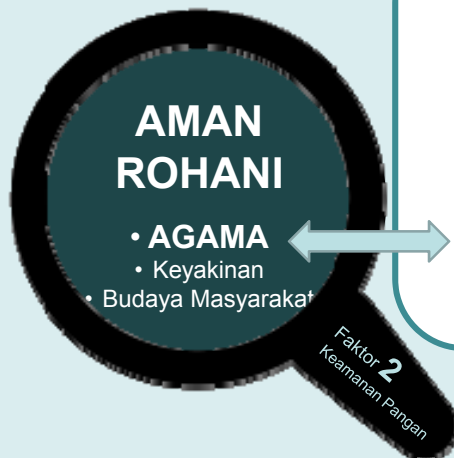
Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN



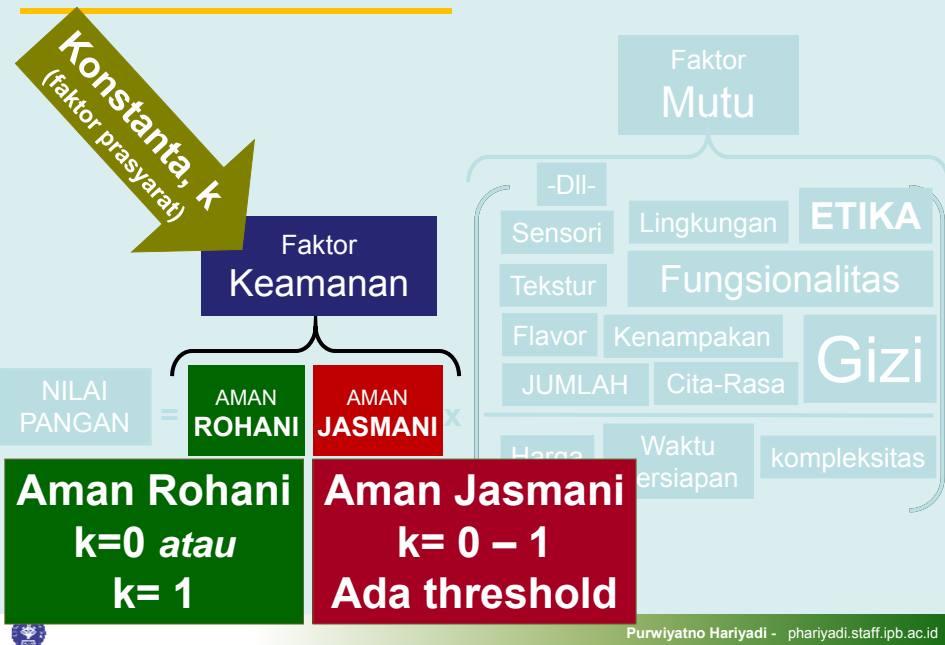
Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN

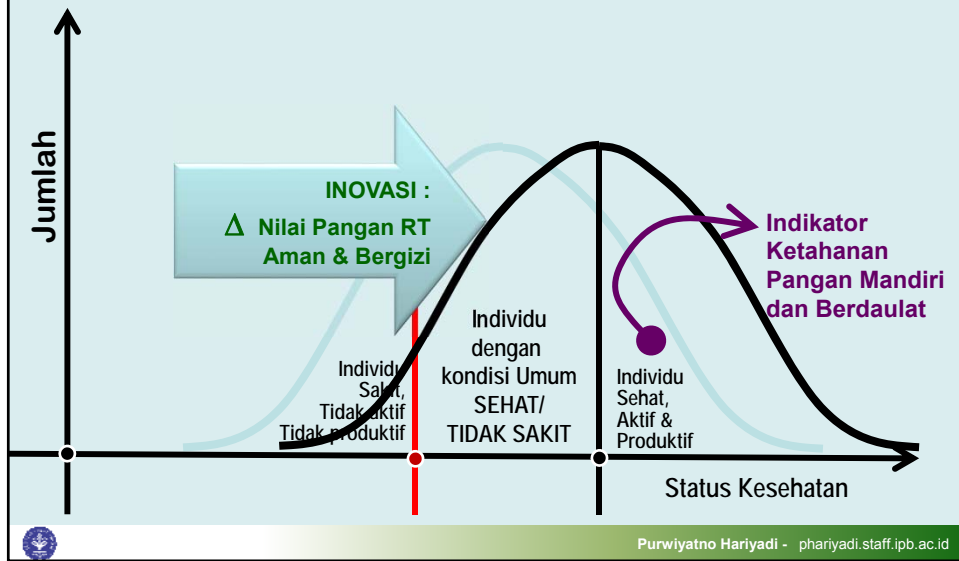


Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

1. NILAI PANGAN



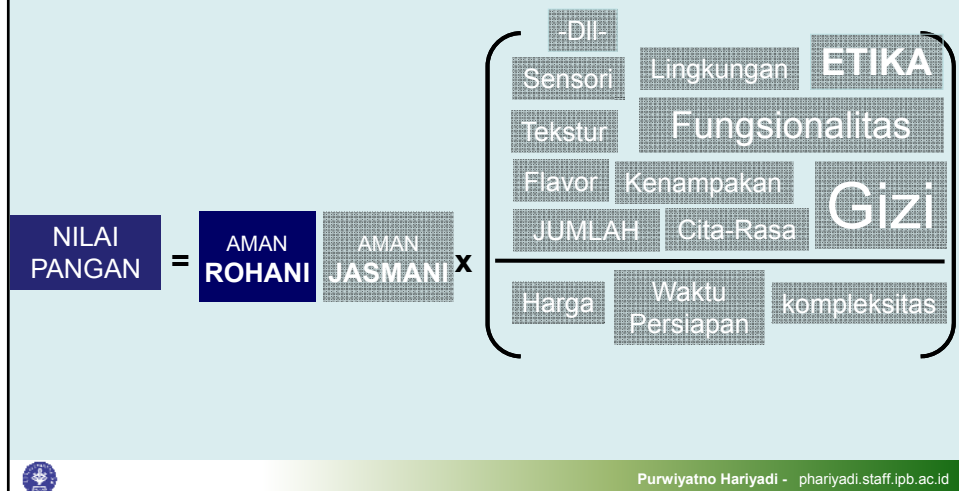
2. PERAN PROFESIONAL BIDANG PANGAN



2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

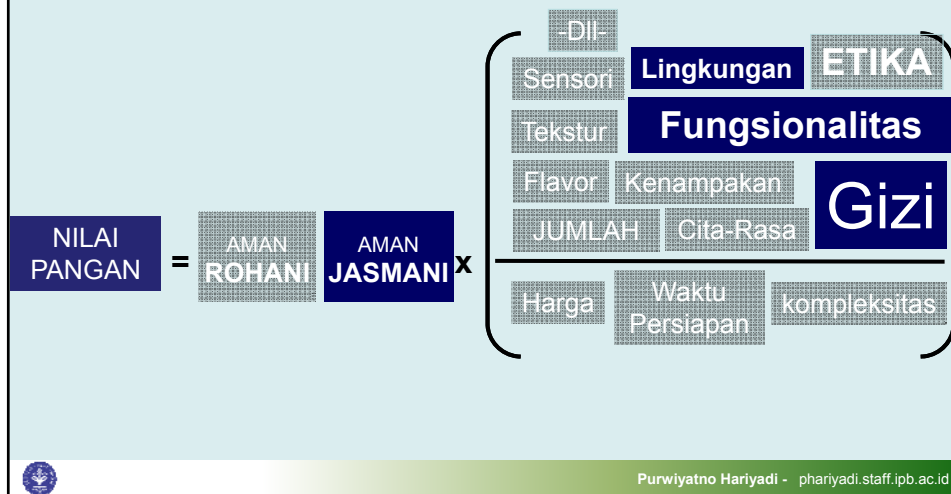
1. Kehalalan



2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

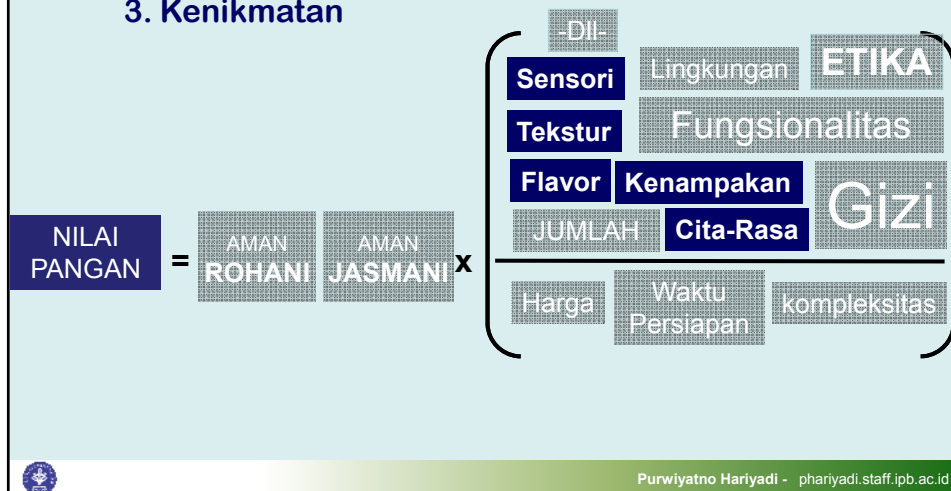
1. Kehalalan
2. Kesehatan



2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

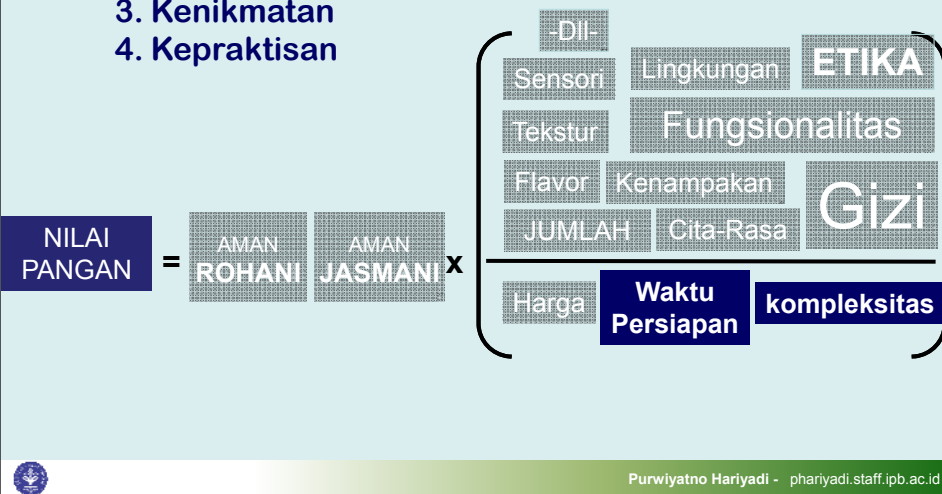
1. Kehalalan
2. Kesehatan
3. Kenikmatan



2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

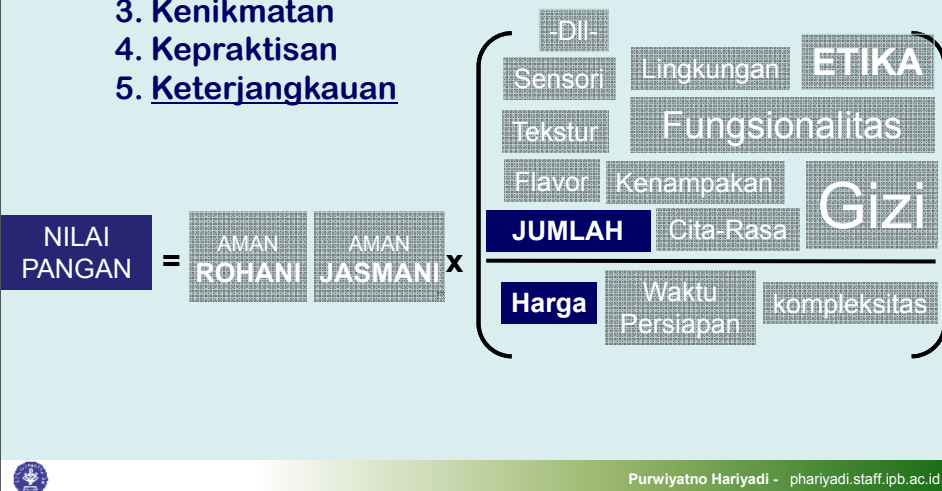
1. **Kehalalan**
2. **Kesehatan**
3. **Kenikmatan**
4. **Kepraktisan**



2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

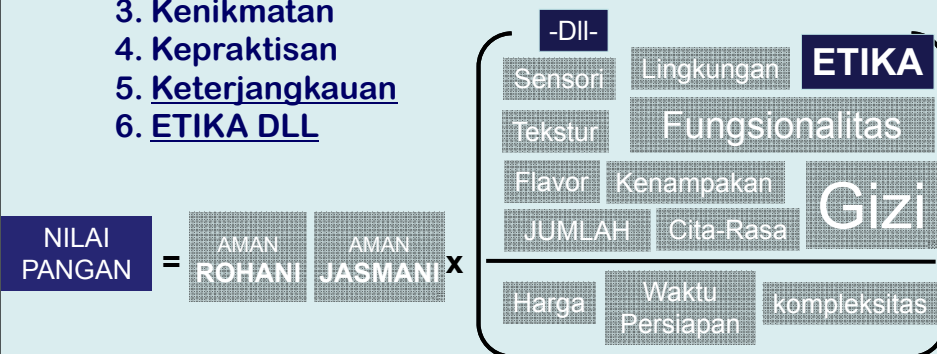
1. **Kehalalan**
2. **Kesehatan**
3. **Kenikmatan**
4. **Kepraktisan**
5. **Keterjangkauan**



2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

1. Kehalalan
2. Kesehatan
3. Kenikmatan
4. Kepraktisan
5. Keterjangkauan
6. ETIKA DLL



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

1. Kehalalan
2. Kesehatan
3. Kenikmatan
4. Kepraktisan
5. Keterjangkauan
6. ETIKA DLL

Food is more than what is on your plates

(<http://www.fao.org/fao-stories/article/en/c/1157986/>)

1. Reduce your food waste
2. Support your local food producers
3. Appreciate the workmanship in producing it
4. Adopt a healthier, more sustainable diet
5. Learn where food comes from



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

1. Kehalalan
2. Kesehatan
3. Kenikmatan
4. Kepraktisan
5. Keterjangkauan
6. **ETIKA DLL**

<https://www.lolwot.com/some-haitians-are-still-eating-mud-and-dirt-cookies/>



Food is more than what is
(<http://www.fao.org/fao-storie>

1. Reduce your food wa
2. Support your local fo
3. Appreciate the workn
4. Adopt a healthier, mo
5. Learn where food comes from
6. **Have a conversation** -treat each meal with pride, respect the farmers, resources that went into it **and the people who go without.**



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih baik ... ?

1. Kehalalan
2. Kesehatan
3. Kenikmatan
4. Kepraktisan
5. Keterjangkauan
6. **ETIKA DLL**

<http://www.visiontimes.com/2015/09/15/in-haiti-people-eat-dirt-cookies.html>



Food is more than what is
(<http://www.fao.org/fao-storie>

1. Reduce your food wa
2. Support your local fo
3. Appreciate the workmanship in producing it
4. Adopt a healthier, more sustainable diet
5. Learn where food comes from
6. **Have a conversation** -treat each meal with pride, respect the farmers, resources that went into it **and the people who go without.**



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

2. PERAN PROFESIONAL BIDANG PANGAN

→ Melakukan INOVASI PANGAN : Lebih LOKAL ?

1. Kehalalan
2. Kesehatan
3. Kenikmatan
4. Kepraktisan
5. Keterjangkauan
6. ETIKA DLL

Food is more than what is on your plates

(<http://www.fao.org/fao-stories/article/en/c/1157986/>)

1. Reduce your food waste
2. **Support your local food producers** ←
3. Appreciate the workmanship in producing it
4. Adopt a healthier, more sustainable diet
5. Learn where food comes from
6. **Have a conversation** -treat each meal with pride, respect the farmers, resources that went into it and the people who go without.



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

3. PERAN PROFESI BIDANG PANGAN

Pengembangan pangan lokal:
The Ethics of Eating Locally

local food

- Environmental Impact
- Economic Impact
- Social Impact



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

3. PERAN PROFESI BIDANG PANGAN

Pengembangan pangan lokal:
The Ethics of Eating Locally



Gerakan mencintai produk (bisnis) pangan lokal ?



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

3. PERAN PROFESI BIDANG PANGAN

Pengembangan pangan lokal:
The Ethics of Eating Locally

- food as identity?



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

3. PERAN PROFESI BIDANG PANGAN

Pengembangan pangan lokal:

The Ethics of Eating Locally

- food as identity?



- *Beras Cianjur*
- *Jeruk Medan*
- *Jeruk Garut*
- *Markisa Makasar*
- *Asinan Bogor*
- *Kopi Lampung*
- *Madu Sumbawa*



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

3. PERAN PROFESI BIDANG PANGAN

Pengembangan pangan lokal:

The Ethics of Eating Locally

- food as identity?



- *Kayumanis Kerinci*
- *Dodol Garut*
- *Jenang Kudus*
- *Bubur Manado*
- *Sagu ?*
- *.... ?*



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

3. PERAN PROFESI BIDANG PANGAN

Pengembangan pangan lokal:

The Ethics of Eating Locally

- food as identity?



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

TERIMAKASIH



phariyadi.staff.ipb.ac.id



[purwiyatno_hariyadi](https://www.instagram.com/purwiyatno_hariyadi)



[@phariyadi](https://twitter.com/phariyadi)



Purwiyatno Hariyadi - phariyadi.staff.ipb.ac.id

phariyadi@apps.ipb.ac.id
phariyadi.staff.ipb.ac.id