FILSAFAT TRI HITA KARANA DAN PENERAPANNYA PADA SISTEM SUBAK DI BALI

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CULTURE LANDSCAPE OF BALI PROVINCE: The Subak System as an Manifestation of the Tri Hita Karana
Subak:
- Water user association/
  Farmers manage irrigation
  system.
- Managing a certain
  rice fields.
- Managing at least one
  water source.
- Managing at least one
  subak tample.
- Autonomous.
- Hydrological/natural border.
- Sub-subak (if needed)
WHAT SUBAK IS?

- Subak is farmers organization which is managing water irrigation in a certain field rice, to get water from a certain source, managing at least one subak tample, and internally and externally autonomy of their organization.
- A group of several subaks which get irrigated water from a water source, named by subak-gde (eg. Subak B1, B2, and B3, in previous slide).
- A group of several subaks in one or more rivers, is called subak-agung, and yet one of them has to be in form of subak-gde.
There is no structural relationship between subak and village. In contrast, there is coordinal relationship between subak and village.

The area of one subak could be in one village/district/residence or more.
The Role/Function of Subak

• Water distribution.
• Maintenance (canal, tample, etc).
• Mobilization of resources (contribution of rice/money, manpower, etc)
• Conflicts solution.
• Ritual activities.

RULE IN USE/REGULATION (AWIG-AWIG)
POTENTIAL CONDITIONS SHOULD BE TO HAVE WELL-DEVELOPED SUBAK IN BALI

• The **slope of Bali Island’s topography** (toward north and south, too). Mountains are in central Bali Island. Therefore, potential condition for farmers to flow the water of rivers or irrigate vessels to water some of certain rice fields. Without any doubt that the river will cause flood to their rice fields.

• **One inlet and one outlet system** at every plot of rice field, that is owned by subak members.
(Continued ...1)

• The one inlet and one out system conditions, are potential for farmers to do **diversification** in the field, and also **borrowing water** among subak members.
THREE DIMENSIONS OF SUBAK
AND
IMPLEMENTATION OF TRI HITA KARANA PHILOSOPHY
1. PHYSICAL ASPECT

(PALEMAHAN ASPECT)
CEMENTED WATER DIVISION (NUMBAK SYSTEM)
TRADITIONAL WATER DIVISION (NUMBAK SYSTEM)
2. SOCIAL ASPECT

(*PAWONGAN ASPECT*)
Pekaseh/ Klian Subak  
(Head of Subak)

Penyarikan (sekretaris)  
Juru raksas/petengan (bendahara)  
Beberapa orang juru arah  
(Secretary, treasury, and massager)

Klian tempek/munduk  
(head of sub-subak)

Krama tempek/munduk  
(semua anggota tempek/munduk  
adalah anggota subak)  
(Subak members)
3. SPIRITUAL ASPECT

(*PARHYANGAN ASPECT*)
A TEMPLE IN BERATAN LAKE, AS A WATER SOURCE IN CENTRAL BALI
WATER IS REACHING A RICE FIELD.
A MOTHER IS GIVING OFFERING PRIOR HARVEST TIME
<table>
<thead>
<tr>
<th>No.</th>
<th>Name of ritual</th>
<th>Period</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><em>Ngendagin/memungkah/nuasen tedun</em></td>
<td>Starting to flow rice field</td>
<td>To have permission from the God (Fertility God living on the ricefield) that farmer is preparing the land for planting</td>
</tr>
<tr>
<td>2.</td>
<td><em>Pengwiwit/ngurit</em></td>
<td>Preparing seedling work</td>
<td>To wish to the God for having good seedling before transplanting process</td>
</tr>
<tr>
<td>3.</td>
<td><em>Nuasen nandur</em></td>
<td>Transplanting of seedlings</td>
<td>To wish to have good transplanting and good growth of seedlings transplanted</td>
</tr>
<tr>
<td>4.</td>
<td><em>Ngulapin</em></td>
<td>After transplanting of seedling and there are seedling damage</td>
<td>To wish to the God in order that the rice crop will grow well</td>
</tr>
<tr>
<td>5.</td>
<td><em>Ngeroras</em></td>
<td>After 12 days transplanting</td>
<td>To wish to the God in order that the rice crop will grow well</td>
</tr>
<tr>
<td>6.</td>
<td><em>Mubuhin</em></td>
<td>After 15 days transplanting</td>
<td>To wish to the God in order that the rice crop will grow well</td>
</tr>
<tr>
<td>7.</td>
<td><em>Neduh/Ngebulanin</em></td>
<td>After 35 days transplanting</td>
<td>To wish to the God in order that the rice crop will grow well</td>
</tr>
<tr>
<td>8.</td>
<td><em>Nyungsung/ngiseh/ngela nus/dedinan</em></td>
<td>After 42 hari transplanting</td>
<td>To wish to the God in order that the rice crop will grow well</td>
</tr>
<tr>
<td>9.</td>
<td><em>Biukukung/miseh/ngiseh</em></td>
<td>Starting flowering of rice</td>
<td>To wish to the God in order that the rice crop will grow well</td>
</tr>
<tr>
<td>10.</td>
<td><em>Nyiwa Sraya</em></td>
<td>After flowering</td>
<td>To wish to the God in order that the rice crop will grow well and bring good yield</td>
</tr>
<tr>
<td>11.</td>
<td><em>Ngusaba/ngusaba nini/mantenin Dewi Sri.</em></td>
<td>After the rice mature</td>
<td>To wish to the God in order that the rice crop will grow well and bring good yield</td>
</tr>
<tr>
<td>12.</td>
<td><em>Mebanten manyi.</em></td>
<td>Preparing harvest</td>
<td>To wish to the God in order that the harvest bring good yield</td>
</tr>
<tr>
<td>13.</td>
<td><em>Ngerasakin</em></td>
<td>After finishing harvest</td>
<td>To say thanksgiving to the God in which his harvest is good and prepare to have further planting</td>
</tr>
<tr>
<td>14.</td>
<td><em>Mantenin</em></td>
<td>After storaging harvested rice</td>
<td>To say thanksgiving to the God in which farmer could storage the harvested rice</td>
</tr>
<tr>
<td>15.</td>
<td><em>Ngerestiti/Nangluk merana</em></td>
<td>If there is vulnerable diseases</td>
<td>To wish the God in order that there is no past and diseases any more</td>
</tr>
</tbody>
</table>
SUBAK RITUALS

- Farmer level
- Subak level
- Connecting with source of water level (lake, dam).
PHILOSOPHY OF SUBAK AS THE BALI CULTURAL LANDSCAPE

- *Tri Hita Karana (THK)* is a philosophy foundation of subak system in Bali.

- *Tri Hita Karana* means, **three factors of the happiness of human beings.**
  
  *Tri* = three;
  
  *Hita* = happiness;
  
  *Karana* = the caused factor.
SUBAK AS WORLD CULTURAL HERITAGE

(1) **Subak** is a cultural tradition that makes up the landscape of Bali. Subak has been present in Bali since the 11th century, and is a traditional institution that implements the philosophy of Tri Hita Karana in their activities.

(2) **Subak system** is a democratic and egalitarian system. Since the 11th century has been managing a network of subak temples, social, ecological environment terraced rice fields, which includes all of the watershed in Bali.

(3) **Subak temple** is a unique institution as an inspiration of ritual tradition which has been done since the past centuries in Bali. **Various rituals are performed at subak temple.** It is a manifestation of the implementation of the philosophy of Tri Hita Karana.
Terima kasih/Thank you