

GLOSSARY :

AJI RAKSA	Corner pillar of the surrounding wall of a Balinese house located on the <i>kaja-keod</i> direction.
ALING-ALING	Screening wall placed after the entrance of a Balinese house to stop evil spirit entering the house.
ANGKUL-ANGKUL	The Balinese house entrance gate. Another name is <i>Kori</i> .
ATMA	Literary meaning : soul. In a Balinese house, it is the family shrine.
BALE	Open structure pavilion. <i>Bale Dangin</i> , pavilion on the <i>kangin</i> ('east') side of a Balinese house lot; this is used for rite passage of family life. <i>Bale Dauh</i> , pavilion on the <i>kauh</i> ('west') side of a Balinese house lot. <i>Bale Banjar</i> , meeting hall of a Banjar.
BANGUNAN PAWONGAN	Residential building.
BANJAR	A family neighbourhood organization that has several closely related functions: religious, governmental, social and educational. These functions have evolved into a complex web of interlocking responsibilities, obligations, and benefits so that a considerable percentage of the time of an average member is occupied with <i>banjar</i> activities.
BEDAWANG NALA	Turtle. In Balinese architecture turtle symbolises foundation to stabilize the world.
BHUR LOKA	Lower world for demons and animals (see also <i>Tri Hita Karana</i>).
BHUWANA AGUNG	Macrocosm; in architecture it could mean a building, a house or a universe.
BHUWANA ALIT	Microcosm; in architecture it could mean human body.
BWAH LOKA	Intermediate world for human being (see also <i>Tri Hita Karana</i>)

- CENGGANG** A unit of measurement taken as the distance between the tip of the stretched fore finger and the thumb. This unit measurement can be used to in place of the *tampak* (see *tampak*).
- DEPA** A unit of measurement taken as the distance between the tips of the middle fingers when the arms are stretched out as far as they will reach. Sometimes this unit measurement is also called *Depa Alit*. This is to differentiate with *Depa Agung* which is one depa plus one *hasta* (see *hasta*); this measurement is used for noble people.
- GEGULAK** A ceremony to take basic measurement units, i.e., *depa*, *hasta*, *musti* (see *depa*, *hasta*, *musti*).
- GELEBEG** A big rice granary (see also *Jineng*).
- GRIYA** A house belongs to the priest (Brahmins) (see also *Umah*).
- HASTA** Literally means measurement. As a measurement unit it covers the distance between the elbow to the tip of the outstretched middle finger.
- HASTA KOSALA
KOSALI** Traditional architectural *lontars* that contains rules, measurements, ceremonials activities related to Balinese building designs. They were written in old Javanese language and normally practised by *undagi*.
- JERO** A house belongs to the ruling class (Ksatrya) (see also *Umah*).
- JINENG** A rice granary; the part that is used to store rice is the attic. There are many names for rice granary in Bali such as : *Lumbung* is a fine word for rice granary; *Klumpu* is a small granary, normally it has walls on four sides to form a room which together with the attic is used to store rice; *Gelebeg* is a big rice granary, it generally has six columns.
- KAJA** Direction towards the mountain.
- KALA RAKSA** Corner pillar of the surrounding wall of a Balinese house located on the *kaja-kauh* direction.

KANGIN	Direction towards the sunrise.
KAUH	Direction towards the sunset.
KELOD	Direction towards the sea.
KLUMPU	A small rice granary (see also <i>Jineng</i>).
KORI	An entrance gate of a Balinese house. Another name is <i>Angkul-angkul</i> .
LONTAR(S)	Palmyra-leaf manuscripts; in Bali they are usually written in old Javanese language.
LUMBUNG	A fine word for rice granary (see also <i>Jineng</i>).
MADYA	Middle, moderate.
MLASPAS	The purification of completed buildings.
MERU	The pagoda-like roof of shrines in Balinese temples.
MRAJAN	See <i>Pamerajan</i> .
MUSTI	A unit of measurement taken as the width of the fist with thumb outstretched.
NASARIN	The ritual ceremony of laying the first brick in erecting a Balinese house.
NATAH	The central open inner-court of a Balinese house.
NAWA SANGA	Ninefold division of space. It was suggested to have a relationship with the arrangement of buildings in the house yard.
NISKALA	Unseen, unobservable world.
NISTA	Lower, profane.
ODALAN	Festival days.
PAMERAJAN	House yard temple; the term is used to indicate those belong to the noble family. It is also called <i>mrajan</i> .
PANGURIP	' <i>Urip</i> ' means life. <i>Pangurip</i> is a unit of measurement added to a total measurement to make 'trigger' life.

- PANUNGGUN KARANG** '*Tunggu*' means to guard and '*karang*' means house yard. Panunggun Karang is stone shrine dedicated to the spirit that guards Balinese house yard.
- PAON** See Pawon.
- PAWON** Traditional kitchen in a Balinese house. '*Awu*' means ash and the word pawon comes from '*pe-awu-an*'. Sometimes it is called *Paon*.
- PEDANDA** A Balinese priest of Brahmins caste.
- PEMANGKU** A Balinese priest of non-Brahmin caste. Initially he works as a caretaker in a Balinese temple.
- PURI** A house belongs to the king or prince (see also *Umah*).
- RUDRA RAKSA** Corner pillar of the surrounding wall of a Balinese house located on the *kelod-kauh* direction.
- RWA BHINEDA** The reconciliation of two opposing poles.
- SANGGAH SURYA** '*Surya*' means sun. A stone shrine dedicated to the god of sun.
- SANGGAH** House yard temple; the term is used to indicate those belong to the noble ordinary people. It is also called *pamerajan*.
- SARIRA** Literal meaning : physical body. In a Balinese house it is all other buildings except the family shrines.
- SEKALA** Concrete, observable world.
- SRI RAKSA** Corner pillar of the surrounding wall of a Balinese house located on the *kaja-kangin* direction.
- SWAH LOKA** The upper world for gods (see also *Tri Hita Karana*)
- SUBAK** Agricultural organization that controls the distribution of irrigation water in Bali.
- TAKSU** Stone shrine dedicated for good prospects and career of the house occupants in a Balinese house.

- TAMPAK** The length of the house owner's foot. *Tampak ngandang* is the width of the house owner's foot. This unit of measurement is used to measure distances between building in a Balinese house.
- TRI HITA KARANA** Literally means 'three causes of goodness'. In Balinese belief, it is widely accepted that the world is composed of three parts : the upper world for gods (*swah loka*), the intermediate world for human beings (*bwah loka*) and the lower world for demons and animals (*bhur loka*). This belief matches the concept of architectural space.
- TRIKAYA** Literal meaning : power or ability. In a Balinese house the term refers to the house occupants.
- UMAH** A Balinese house. There are many names for Balinese house such as : *Griya* (those belong to the Brahmins); *Puri* (those belong to the king or prince); and *Jero* (those belong to the Ksatrias that do not rule). The design principles for Balinese house is the same, except that houses for the higher castes have more buildings and usually applied a lot of decorative elements.
- UMAH KANTORAN** '*Kantor*' means office. This term refers to office style building in Bali which started to be build in the 1950's.
- UNDAGI** A traditional Balinese architect. Usually a priest.
- UTAMA** Highest, sacred. *Utamaning utama*, the most sacred; *Utamaning madya*, the less sacred; *Utamaning nista*, the least sacred.

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APPENDIX A

**QUESTIONNAIRE : The Relationship Between Balinese Cultural Values
and Balinese Housing Design**

I. BELIEFS, ATTITUDES, AND OPINION

Now, some questions concerning attitudes and beliefs about Balinese house design. Please answers according to your own opinion.

1. A traditional house in Bali should be designed and constructed according to the rules as prescribed in the religious manuscript (e.g. Hasta Kosala, Hasta Kosali, Hasta Bumi, etc.)

- [] Strongly agree
 [] Agree
 [] Undecided
 [] Disagree
 [] Strongly disagree

If your answer is 'strongly agree' or 'agree' :
 Does it mean that a house belong to a Hindu-Balinese should be designed according to those religious manuscript ?

- [] Yes [] No

If your answer is 'disagree' or 'strongly disagree':
 Does it mean that a house belong to a Hindu-Balinese is not necessarily designed according to those religious manuscript ?

- [] Yes [] No

2. In which direction do you think the following house compounds in a Balinese traditional house are most preferably located ?

	Kaja	Kelod	Ka- ngin	Kauh	Kaja Ka - ngin	Kaja Kauh	Kelod Ka- ngin	Kelod Kauh
Entrance
Kitchen
Sleeping (parents)
Sleeping (girls)
Sleeping (boys)
Central- pavilion
Bath / W.C.

3. (a) Which three of the following building compounds/parts in a Balinese traditional house you believe to be sacred (tick three codes only in column A).
 (b) Which of these three is the most sacred ? (tick one code only in column B)
 (c) Which three of the following building compounds/parts in a Balinese traditional house you believe to be profane (tick three codes only in column C).
 (d) Which of these three is the most profane ? (tick one code only in column D)

	Most Sacred		Most Profane	
	A three sacred	B one most	C three profane	D one most
<u>Kori</u> (entrance gate)
<u>Paon</u> (kitchen)
<u>Lumbung</u> (rice-granary)
<u>Bale sakepat</u> (open pavilion with four posts)
<u>Bale dangin</u> (central pavilion)
<u>Bale Dauh</u> (side pavilion)
<u>Uma meten</u> (sleeping quarter)
<u>Sanggah/pamerajan</u> (house shrine)
Animal pen
Pit
<u>Natah</u> (central courtyard)
Other compounds/part specify :

4. In your opinion, would a Balinese generally identify his or her house in three divisions as 'head' (utama), 'body' (madya) and 'leg' (nista) ?

[] Yes [] No [] Don't know

If your answer is YES,

Do you think this division is important to differentiate the sacred parts from the profane ones ?

[] Yes [] No [] Maybe

5. Do you believe in this sacred/profane orientation in Balinese Traditional House ?

- [] Strongly believe
 [] Believe
 [] Don't believe
 [] Can't answer

6. The entrance gate of a Hindu-Bali family must take the form of a kori (Balinese style entrance gate) in order to :

Please tick two boxes :

- [] promote its aesthetic appeal
- [] maintain Balinese identity
- [] be accepted by Hindu god
- [] satisfy the government's building regulation
- [] not necessary for a Balinese house
- [] other - please specify :

7. Where, to your knowledge, in Balinese traditional house, are the following activities carried out :

Activities	Bale Dangin	Uma Meten	Paon	Lum-bung	Natah
(a) The ceremony of a childbirth
(b) Tooth-filing
(c) Marriage ceremony
(d) Preparation of temple offerings
(e) Cooking traditional food
(f) Keeping family heir-loom
(g) Praying

8. Now, this questions will concern with the sanggah/pamerajan (house shrine). I would like to know your attitude toward the following statements :

	Strongly agree	Agree	Un-decided	Dis-agree	Strongly disagree
(a) In many cases <u>Sanggah</u> may be located in any direction
(b) A hindu-Balinese house must have a sanggah
(c) <u>Sanggah</u> may be located in the roof levels, as long as the direction is in <u>kaja-kangin</u>
(d) The mass production of <u>sanggah</u> is positive because people can easily get them in the shops.

9. What do you think will happen if a Hindu-Bali family's house does not have a sanggah/pamerajan (house shrine) ?

- The family is not happy
- A member of the family will be ill
- The house will be entered by a leyak (evil spirit)
- Nothing will happen
- Other - please specify : probably

10. Do you know of any misfortune(s) reported happen because their house do not have sanggah/pamerajan (house shrine) ?

- Yes No

If YES,

Do you think this misfortune(s) is connected to the family does not have the sanggah/pamerajan ?

- Yes No Maybe

11. A traditional house in Bali is built in a certain sequence. Do you know about that ?

- Yes No

If YES,

Which do you think is the proper sequence ?

- lumbung - paon - uma meten - bale dangin - sanggah
- lumbung - paon - sanggah - uma meten - bale dangin
- sanggah - uma meten - bale dangin - lumbung - paon
- sanggah - bale dangin - uma meten - paon - lumbung
- not one of the above sequence is right

II. INTENTION

12. Now, some questions about what you want or you do not want to do with your house in the future

	Defi- nite- ly	Pro- ba- bly	Pro- ba- bly NOT	Cer- tain- ly NOT	Can- not ans- wer
a. Will you invite a priest to do some ritual ceremonies for your new house before you occupying it ?
b. If I build a new house, it will be designed by					
(1) <u>undaqi</u> /architect priest
(2) engineers (architect or civil engineer)
(3) a contractor
(4) myself

13. If I had a fund of Rp. 500,000.- (£ 140) for making an adaptation to my house; I would :

- build a better sanggah/pamerajan (house shrine)
- buy furniture (specify room :
- build a kori (gate entrance) with Baliness style
- I cannot make adaptation/alteration of the building because the house is not mine.
- other

14. If I had the opportunity to get a loan of Rp. 25,000,000. - (£ 7000) for a new house; I would :

- build a Balinese traditional house
- build a low-cost modern house
- buy a modern house from real-estate
- buy a Perumnas/BTN housing
- other ; please specify :.....

15. I live in rumah asli / Perumnas housing. Taken as a whole :

- I am satisfied with my previous form of my house type and I do not want to make any adaptations.
- I am satisfied with my previous form of my house type but I want to make some adaptations.
- I am dissatisfied with my previous form of my house type but I will not make any adaptations.
- I am dissatisfied with my previous form of my house type therefore I will make some adaptations.
- I do not need to make adaptation to my house because I will sell it, buy a new one, and move to the new house.

V. ADAPTATIONS TO THIS BUILDING

Now some questions about house-adaptation that you have done:

17. (a) How long have you been occupying this house ?

- 1 year 2-3 years more than 3 years

(b) Have you made adaptations to your house ?

- Yes No

If YES,

Please answer the following questions :

18. The adaptations I have made to my house since I have occupied it (please indicate with A, B, C, D, E, F, G, or H):

Actions :

- | | |
|----------------------------|-----------------------|
| A = Painting/Decorating | B = Furnishing |
| C = Change function/move*) | D = Split/Divided*) |
| E = Extention | F = Demolished partly |
| G = Demolished entirely | H = New Construction |

*) When change function, split, or extended, please explain what function coming in/out.

Room/House compounds	Date of change	Actions	Reasons for adaptations

For Perumnas/Low-cost Modern Housing :			
Guest-room
Dining-room
Kitchen
Master-bedroom
Bedroom
Bath/W.C
<u>Sanggah/Pamerajan</u>
other :			
Please specify
For Traditional House :			
<u>Kori/entrance gate</u>
<u>Uma Meten</u>
<u>Paon</u>
<u>Lambung</u>
<u>Bale Sakepat</u>
<u>Bale Sakenem</u>
<u>Bale Dauh</u>
<u>Bale Dangin</u>
<u>Natar</u>
<u>Sanggah/Pamerajan</u>
Other :			
Please specify

19. Is there any adapted part of the house that is used for religious or ritual purposes ?

[] Yes [] No

If YES, please specify :

Adaptations/Alterations	Religious/Ritual Use	How Frequent
.....
.....
.....

20. Have you experienced any difficulty when doing adaptations to your house :
[] Yes [] No

If YES, these are due to :

- [] insufficient finance
 - [] construction problems
 - [] municipal or town planning regulations
 - [] other
- please specify :

21. I have made some adaptations to my house. Taken as a whole :

- [] I am satisfied with my house now that I have made some adaptations.
- [] I am still dissatisfied with my house although I have made some adaptations.

Reasons for dissatisfaction is/are :

- [] more adaptations need to be made
- [] adaptations are not appropriate with their purposes
- [] the adaptations are alright, but the location of the house is not
- [] the adaptations are alright, but I need a bigger lot
- [] constructions for the adaptations are difficult
- [] constructions for the adaptations cost too much
- [] other, please specify :

VI. ACTIVITIES AND USE OF THE BUILDING

Now, some questions about activities and use of your house :

22. Do you still have a rumah asli (traditional house) where you sometimes go back to ?

[] Yes [] No

If YES,
Please answer the following questions :

23. How frequent do you visit your rumah asli (traditional house') in the village in a year ?

- [] once in a year
- [] two - four times in a year
- [] more than five times in a year
- [] I have not visited my rumah asli in the past two years

24. Do you do religious activities when you visit your rumah asli ?

[] Yes, always [] Only sometimes [] No

25. Do you observe the sacred functions of your house ?
 [] Yes [] No

If YES,

Please tick whether you do or do not and indicate other religious functions that you know :

- a. Uma Meten (sleeping for parents)
 To keep family heir-loom
 other function :
- b. Paon (kitchen)
 To burn impurities
 other function :
- c. Lumbung (rice granary)
 To make traditional food
 other function :

Yes	No
...	...
...	...
...	...

26. What sort of religious activities if any, who, and where do you or your family member usually do it ?

Religious activities	Who perform	Where	How Frequent
.....
.....
.....
.....

APPENDIX B

QUESTIONNAIRE :
THE RELATIONSHIP BETWEEN BALINESE CULTURAL VALUES AND
BALINESE HOUSING DESIGN

Adress :
Village : RT : RW :

PROFILE DATA

- (1) Name ('optional') :
- (2) Age group *) : (15 - 25) ; (26 - 35) ; (36 - 50) ; > 50
- (3) Original village :
- (4) Occupation *) : Priest ; Farmer ; Clerk / Secretary
Teacher ; Businessman ; Government official ;
craftmanship ; Artists ; Other
- (5) Education *) : None ; Preliminary school ; Middle school ;
High School ; Higer education
- (6) House type that you experience to live in :
Traditional house Occupied from (year) to
Government house Occupied from (year) to
Private house, non trad. Occupied from (year) to
Low-cost modern house Occupied from (year) to
- (7) Income group *) : Low ; Upper lower
Lower Middle ; Upper Middle ; High
- (8) Status of home ownership *) : rent ; institution ; private property
sitting tenant ; other
- (9) Other occupants in the house :

Name ('optional')	M/F	Age (years)	Family Relationship	Religion	Marriage Status
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

*) Delete where necessary

Responden No. : BT 4
 Kwesioner : HUBUNGAN ANTARA NILAI-NILAI BUDAYA DENGAN RANCANG
 BANGUN PERUMAHAN DI BALI.

PETUNJUK :

A. Berikut ini akan disajikan beberapa pernyataan mengenai kepercayaan yang menyangkut masalah rumah/perumahan di Bali. Anda diharapkan menyatakan sikap Anda terhadap pernyataan-pernyataan tersebut dengan cara memilih :

SS, bila Anda SANGAT SETUJU dengan pernyataan tersebut.

S, bila Anda SETUJU dengan pernyataan tersebut.

E, bila Anda TIDAK DAPAT MENENTUKAN PENDAPAT mengenai pernyataan tersebut.

TS, bila Anda TIDAK SETUJU dengan pernyataan tersebut.

STS, bila Anda SANGAT TIDAK SETUJU dengan pernyataan tersebut.

Berilah tanda silang (X) hanya pada satu kotak di bawah pilihan anda untuk setiap nomor pernyataan.

B. Lingkarilah nomor pertanyaan/pernyataan yang Anda anggap tidak jelas atau kurang dimengerti.

Karena jawaban diharapkan sesuai dengan pendapat Anda sendiri, maka tidak ada jawaban yang dianggap salah dan Anda tidak perlu mencantumkan nama anda.

[SS] [S] [E] [TS] [STS]

	[SS]	[S]	[E]	[TS]	[STS]
1. Kehidupan bertetangga di lingkungan perumahan ini harmonis.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Pawon boleh dibangun bersebelahan dengan bale daja/dangin.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Rumah adat Bali dapat mengikat dan mempersatukan hubungan keluarga.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Rumah orang Bali beragama Hindu harus dirancang menurut aturan Banta Kosala-Kosali.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Angkul-angkul bentuknya indah untuk menyenangkan para dewata.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- | | | | | | |
|--|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| 6. Waktu mendirikan rumah adat Bali, sanggah tidak harus lebih dahulu dibangun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Jika saya mendirikan rumah adat Bali, upacara-upacara tidak saya perlukan lagi. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Waktu mendirikan rumah adat urutan pembangunan gedong dan bale-bale tidak boleh sembarangan. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Karena jineng/glebeg sudah jarang dipergunakan lagi, maka sebaiknya dibongkar. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Pada waktu menstruasi (datang bulan) seorang wanita tidak diperkenankan memasuki sanggah. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Jika rumah adat tidak memiliki sanggah maka ada penghuninya akan menderita sakit. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Hasta Kosala-Kosali sebagai pedoman untuk membangun rumah sudah ketinggalan jaman. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13. Upacara-upacara keluarga yang bersifat keagamaan hanya dapat dilakukan pada rumah adat Bali. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 14. Memilih hari baik untuk membangun rumah adalah perbuatan bodoh. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. Untuk memenuhi kebutuhan masa kini, rumah adat perlu diubah dan disesuaikan dengan jaman. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16. Perubahan/penyesuaian rumah adat merupakan pelanggaran terhadap tradisi yang sudah ada. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- | | | | | | |
|---|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| 17. Dalam perubahan/penyesuaian rumah adat Bali, Bale dangin mutlak harus dipertahankan. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Aling-aling merupakan bagian rumah yang boleh dibongkar. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 19. Bale daja/Uma meten tidak perlu dipergunakan sebagai tempat menyimpan harta pusaka keluarga. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 20. Jika paon diletakkan pada arah kaja, pemiliknya akan merasa tidak cocok. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 21. Jika tanah sempit, sanggah boleh diletakkan di atap rumah. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 22. Penyesuaian/perubahan rumah adat akan menyebabkan bentuknya lebih harmonis. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 23. Jika saya melakukan perubahan pada rumah adat, daripada membongkar paon lebih baik membongkar bale delod. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 24. Jika bale dangin dibongkar, maka rumah adat tidak lagi dapat dipergunakan untuk upacara-upacara kekeluargaan yang bersifat keagamaan. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 25. Tata letak ruangan (ruang tidur, ruang tamu, dapur, dsb.) pada rumah Perumnas/BTN kurang cocok untuk orang Bali beragama Hindu. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 26. Palinggih sanggah yang terbuat dari beton bentuknya jelek. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 27. Orang-orang Bali beragama Hindu lebih suka rumahnya dirancang/dibangun oleh Undagi. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

APPENDIX C



RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD-10

Category : B

Location of ENTRANCE GATE : EAST

Lot Area :	Width = 31.50 m	Length = 47.00 m	Area = 1480.5 m ²
Total Area of Traditional buildings	: 69.28 m ² (T)		
Total Area of New buildings	: 85.20 m ² (N)		(N)/(T) = 1.230
Total Area of Others (pen, p.karang)	: 2.00 m ²		
TOTAL AREA OF BUILDING FLOOR	: 144.48 m ²		
FLOOR AREA RATIO (F.A.R.)	: 0.098		

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached by	Shape	Mat'ls/ Technics	Use
PAMERAJAN	Yes	18.00 +	18.40 +	367.20	-	-	-	-	-
BALE ADAT	Yes	5.00	5.00	25.00	1.00	-	Trad	Trad	-
UMA METEN	Yes	5.20	6.00	31.20	1.15	-	Trad	Trad	-
BALE DAUH	Yes	3.40	6.20	21.08	1.85	-	Trad	Trad	-
PAON	No	-	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	No	-	-	-	-	-	-	-	-
P. KARANG	Yes	-	-	-	-	-	-	-	-

NEW Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	No	-	-	-	-	-	-	-	-	-
SLEEPING-B	No	-	-	-	-	-	-	-	-	-
SLEEPING-C	No	-	-	-	-	-	-	-	-	-
SLEEPING-D	No	-	-	-	-	-	-	-	-	-
KITCHEN-A	Yes	5.00	6.40	10.54	1.28	Modern	Modern	SW	-	1 - 1
KITCHEN-B	Yes	3.00	6.00	18.00	2.00	Trans	Trans.	SE	-	1
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	2.00	3.00	6.00	1.50	Trans	Modern	SE	-	1
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	Yes	2.80	4.00	11.20	1.43	Trans	Trans	NW	-	1
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	No	-	-	-	-	-	-	-	-	-
STORAGE	No	-	-	-	-	-	-	-	-	-
ANIMAL PEN	No	-	-	-	-	-	-	-	-	-
OTHER (dining room)	-	-	-	10.54	-	Modern	Modern	SW	-	1 - 1

RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD-15

Category : B

Location of ENTRANCE GATE : WEST

Lot Area : Width = 44.00 m	Length = 45.40 m	Area = 1997.60 m ²
Total Area of Traditional buildings	: 83.48 m ² (T)	
Total Area of New buildings	: 127.68 m ² (N)	(N)/(T) = 1.530
Total Area of Others (pen, p.karamg)	: 1.00 m ²	
TOTAL AREA OF BUILDING FLOOR	: 211.16 m ²	
FLOOR AREA RATIO (F.A.R.)	: 0.106	

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached by	Shape	Mat'ls/ Technics	Use
PAMERAJAN	Yes	9.60 +	12.00 +	130.00	-	-	-	-	-
BALE ADAT	Yes	3.80	5.80	22.04	1.53	-	Trad	Trad	-
UMA METEN	Yes	5.60	6.40	35.84	1.14	-	Trad	Trans	-
BALE DAUH	Yes	4.00	6.40	25.60	1.60	-	Trad	Trad	-
PAON	No	-	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	Yes	-	-	-	-	-	-	-	-
P. KARANG	Yes	1.00	1.00	1.00	1.00	-	-	-	-

NEW Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	5.00	5.60	28.00	.1.12	Trad	Trans	SW	Paon	1
SLEEPING-B	No	-	-	-	-	-	-	-	-	-
SLEEPING-C	No	-	-	-	-	-	-	-	-	-
SLEEPING-D	No	-	-	-	-	-	-	-	-	-
KITCHEN-A	Yes	3.00	4.20	12.60	1.40	Trad	Trad	S	Jineng	1
KITCHEN-B	No	-	-	-	-	-	-	-	-	-
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	1.60	2.20	3.52	1.38	Trans	Trans	SE	-	1
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	Yes	3.40	4.20	14.28	1.24	Trans	Trans	SE	-	1
SHELTER-B	Yes	2.20	3.40	7.48	1.55	Trans	Trans	E	-	1
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	Yes	4.00	6.00	24.00	1.50	Trans	Modern	SW	-	1
STORAGE	-	-	-	-	-	-	-	-	-	-
ANIMAL PEN-A	Yes	3.00	4.60	13.80	1.53	-	-	SW	-	1
OTHER (Pen-B)	Yes	4.00	6.00	24.00	1.50	-	-	SE	-	1

RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD 16

Category : A

Location of ENTRANCE GATE : EAST

Lot Area : Width = 45.80 m Length = 55.40 m Area = 2537.32 m²
 Total Area of Traditional buildings : 114.52 m² (T)
 Total Area of New buildings : 189.24 m² (N) (N)/(T) = 1.653
 Total Area of Others (pen, p.karamg) : 4.00 m²
 TOTAL AREA OF BUILDING FLOOR : 303.86 m²
 FLOOR AREA RATIO (F.A.R.) : 0.119

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached by	Shape	Mat'ls/ Technics	Use
PAMERAJAN	Yes	15.40	18.40	283.36	-	-	-	-	-
BALE ADAT	Yes	5.60	6.40	35.84	1.14	Shop	Trans	Trans	-
UMA METEN	Yes	5.20	6.20	32.24	1.19	Storage	Trans	Trans	-
BALE DAUH	Yes	4.80	5.80	27.84	1.20	-	Trad	Trans	-
PAON	Yes	3.00	6.20	18.60	2.07	-	Trad	Trad	unused
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	Yes	-	-	-	-	-	-	-	-
P. KARANG	Yes	2.00	2.00	4.00	1.00	-	-	-	-

NEW Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	4.80	6.40	30.72	1.33	Trad	Modern	C	Natah	1
SLEEPING-B	No	-	-	-	-	-	-	-	-	-
SLEEPING-C	No	-	-	-	-	-	-	-	-	-
SLEEPING-D	No	-	-	-	-	-	-	-	-	-
KITCHEN-A	Yes	4.00	7.00	28.00	1.75	Trans	Trans	SW	Jineng	2
KITCHEN-B	Yes	4.00	6.00	24.00	1.50	Trans	Trans	SE	-	1 - 2
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	2.60	4.20	10.92	1.62	Trans	Trans	SW	-	2
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	No	-	-	-	-	-	-	-	-	-
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	Yes	4.00	7.00/4.00	44.00	2.00	Trans	Trans	SE	sep.bid	3
SHOPS	Yes	5.00	5.80	29.00	1.16	Trans	Trans	E	AtADAT	1
STORAGE	Yes	3.00	5.00	15.00	1.67	Trans	Trans	W	-	1
ANIMAL PEN	No	-	-	-	-	-	-	-	-	-
OTHER (storage)	Yes	2.00	3.80	7.60	-	Trans	Trans	N	Atmeten	1

RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD-20

Category : B

Location of ENTRANCE GATE : WEST

Lot Area : Width = 31.00 m	Length = 44.50 m	Area = 1379.50 m ²
Total Area of Traditional buildings	: 58.48 m ² (T)	
Total Area of New buildings	: 203.00 m ² (N)	(N)/(T) = 3.471
Total Area of Others (pen, p.karamg)	: 4.00 m ²	
TOTAL AREA OF BUILDING FLOOR	: 261.48 m ²	
FLOOR AREA RATIO (F.A.R.)	: 0.190	

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached by	Shape	Mat'ls/ Technics	Use
PAMERAJAN	Yes	14.00	14.80	207.20	-	-	-	-	-
BALE ADAT	Yes	3.40	4.80	16.32	1.41	-	Trad	Trad	-
UMA METEN	Yes	6.20	6.80	42.16	1.10	-	Trad	Trans	-
BALE DAUH	No	-	-	-	-	-	-	-	-
PAON	No	-	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	No	-	-	-	-	-	-	-	-
P. KARANG	Yes	-	-	-	-	-	-	-	-

NEW Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	4.60	8.60 +	39.56	1.87	Trans	Trans	W	Dauh	3 - 1
SLEEPING-B	Yes	4.00	6.50	26.00	1.63	Trans	Trans	SE	-	2
SLEEPING-C	Yes	4.50	6.00	27.00	1.33	Trans	Trans	S	Paon	2
SLEEPING-D	Yes	5.00	6.60	33.00	1.32	Trans	Trans	SE	-	2
KITCHEN-A	Yes	2.60	6.40	16.64	2.46	Trans	Trans	SW	-	2
KITCHEN-B	Yes	4.00	5.80	24.00	1.45	Trans	Trans	S	-	1
KITCHEN-C	Yes	4.00	8.20	32.80	2.05	Trans	Trans	SE	-	3
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	2.00	2.00	4.00	1.00	Trans	Trans	W	AtslepA	1 - 3
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	No	-	-	-	-	-	-	-	-	-
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	No	-	-	-	-	-	-	-	-	-
STORAGE	No	-	-	-	-	-	-	-	-	-
ANIMAL PEN	Yes	2.00	4.00	8.00	2.00	-	-	SW	-	2
OTHER (Pen)	Yes	2.00	4.00	8.00	2.00	-	-	NE	-	2

RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD 21

Category : C

Location of ENTRANCE GATE : EAST

Lot Area : Width = 27.00 + m	Length = 41.00 + m	Area = 1200 m ²
Total Area of Traditional buildings	: 19.50 m ² (T)	
Total Area of New buildings	: 257.60 m ² (N)	(N)/(T) = 13.210
Total Area of Others (pen, p.karamg)	: 12.00 m ²	
TOTAL AREA OF BUILDING FLOOR	: 277.10 m ²	
FLOOR AREA RATIO (F.A.R.)	: 0.231	

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached by	Shape	Mat'ls/ Technics	Use
PAMERAJAN	Yes	12.00 +	19.00 +	261.00	-	-	-	-	-
BALE ADAT	Yes	3.50	6.00	19.50	1.71	-	Trad	Trad	-
UMA METEN	No	-	-	-	-	-	-	-	-
BALE DAUH	No	-	-	-	-	-	-	-	-
PAON	No	-	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	Yes	-	-	-	-	-	-	-	-
P. KARANG	Yes	3.00	4.00	12.00	1.33	-	-	-	-

NEW Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	5.20	7.00	36.40	1.37	Trans	Modern	N	meten	3
SLEEPING-B	Yes	5.00	7.00	35.00	1.40	Trans	Trans	W	dauh	2
SLEEPING-C	Yes	5.00	7.00 +	25.00	1.40	Trans	Modern	SW	Jineng	2-1-1
SLEEPING-D	No	-	-	-	-	-	-	-	-	-
KITCHEN-A	Yes	2.00	3.00	6.00	-	Trans	Modern	SW	Jineng	1-2-1
KITCHEN-B	No	-	-	-	-	-	-	-	-	-
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	Yes	5.00	5.50	27.50	1.10	Trans	Modern	NW	-	2
HOMESTAY-B	Yes	5.00	5.50 +	27.50	1.10	Trans	Modern	W	-	3 - 1
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	2.00	2.50	5.00	-	Trans	Modern	SW	AtslepC	1-2-1
BATH/WC-B	Yes	2.00	3.00	6.00	-	Trans	Modern	W	AthstayB	1 - 2
SHELTER-A	No	-	-	-	-	-	-	-	-	-
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	Yes	4.00	10.00	40.00	2.50	Trans	Modern	SE	-	2
STORAGE	No	-	-	-	-	-	-	-	-	-
ANIMAL PEN	No	-	-	-	-	-	-	-	-	-
OTHER (concrete terrace)		6.00	8.20	49.20	1.37	-	Modern	W	2ndfloor	1

RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD 26

Category : B

Location of ENTRANCE GATE :

Lot Area : Width = 26.80 m	Length = 46.00 m	Area = 1232.20 m ²
Total Area of Traditional buildings	: 74.84 m ² (T)	
Total Area of New buildings	: 223.50 m ² (N)	(N)/(T) = 2.986
Total Area of Others (pen, p.karamg)	: 9.00 m ²	
TOTAL AREA OF BUILDING FLOOR	: 298.34 m ²	
FLOOR AREA RATIO (F.A.R.)	: 0.242	

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached by	Shape	Mat'ls/ Technics	Use
PAMERAJAN	Yes	10.50 +	12.00 +	134.00	-	-	-	-	-
BALE ADAT	Yes	3.00	6.00	18.00	2.00	-	Trad	Trad	-
UMA METEN	Yes	5.00	6.20	31.00	1.24	-	Trad	Bstyle	-
BALE DAUH	Yes	3.80	6.80	25.84	1.790	-	Trad	Trans	-
PAON	No	-	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	Yes	-	-	-	-	-	-	-	-
P. KARANG	Yes	2.00	2.00	4.00	1.00	-	-	-	-

NEW Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	5.50	10.00	55.00	1.82	Trans	Modern	S	-	3 - 1
SLEEPING-B	Yes	3.00	5.00	15.00	1.67	Trans	Modern	N	-	1
SLEEPING-C	Yes	3.00	5.00	15.00	1.67	Trans	Modern	N	-	1
SLEEPING-D	Yes	3.50	5.00	16.50	1.43	Trans	Modern	N	-	2
KITCHEN-A	Yes	4.00	9.00	36.00	2.25	Trans	Trans	SW	Paon	2
KITCHEN-B	No	-	-	-	-	-	-	-	-	-
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	1.50	3.00	4.50	2.00	Trans	Modern	S	-	1 - 3
BATH/WC-B	Yes	2.50	3.00	7.50	1.20	Trans	Modern	N	-	2
SHELTER-A	No	-	-	-	-	-	-	-	-	-
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	No	-	-	-	-	-	-	-	-	-
STORAGE	No	-	-	-	-	-	-	-	-	-
ANIMAL PEN	Yes	2.00	4.00	8.00	2.00	-	-	-	-	4
UNIT of new HOUSE	Yes	-	-	74.00	-	Modern	Modern	Neutral	-	7

RECORDS of BALINESE HOUSE ADAPTATION

Case : UBUD-29

Category : A

Location of ENTRANCE GATE : EAST

Lot Area : Width = 27.00 m	Length = 60.00 m	Area = 1620 m ²
Total Area of Traditional buildings	: 67.72 m ² (T)	
Total Area of New buildings	: 127.64 m ² (N)	(N)/(T) = 1.885
Total Area of Others (pen, p.karang)	: 18.75 m ²	
TOTAL AREA OF BUILDING FLOOR	: 195.36 m ²	
FLOOR AREA RATIO (F.A.R.)	: 0.121	

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached Shape by	Mat'ls/ Technics	Use
PAMERAJAN	Yes	10.80 +	11.00 +	144.26	-	-	-	-
BALE ADAT	Yes	3.00	5.60	16.80	1.87	-	Trad	Trad
UMA METEN	Yes	4.90	5.20	25.48	1.06	-	Trad	Trans
BALE DAUH	Yes	3.60	5.40	19.44	1.50	-	Trad	Trans
PAON	No	-	-	-	-	-	-	-
JINENG	Yes	2.00	3.00	6.00	1.50	-	Trad	Trad
ALING-ALING	Yes	-	-	-	-	-	-	-
P. KARANG	Yes	3.00	3.00	9.00	1.00	-	-	-

NEW Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Shape	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	5.40 +	5.60 +	30.24	2.10	Trans	Trans	S	Paon	2 - 1
SLEEPING-B	Yes	5.00	7.00	35.00	1.40	Trans	Trans	NW	-	2
SLEEPING-C	No	-	-	-	-	-	-	-	-	-
SLEEPING-D	No	-	-	-	-	-	-	-	-	-
KITCHEN-A	Yes	3.00	3.00	9.00	-	Trans	Trans	S	AtslpA	1 - 2
KITCHEN-B	Yes	2.50	3.00	7.50	-	Trans	Trans	N	AtslpB	1 - 2
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	2.00	2.00	4.00	1.00	Trans	Trans	SE	-	1
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	No	-	-	-	-	-	-	-	-	-
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	No	-	-	-	-	-	-	-	-	-
STORAGE	No	-	-	-	-	-	-	-	-	-
ANIMAL PEN	Yes	1.50	3.00	4.50	2.00	-	-	S	-	2
OTHER (pen)	Yes	1.50	2.60	3.90	1.73	-	-	S	-	1
Unit of a new HOUSE	Yes			41.00				Neutral		3

APPENDIX E

RECORDS of BALINESE HOUSE ADAPTATION

Case : BELANG-6

Category : B

Location of ENTRANCE GATE : NORTH -

Lot Area : Width = 22.50 m Length = 62.00 m Area = 1395.00 m²Total Area of Traditional buildings : 31.20 m² (T)Total Area of New buildings : 119.80 m² (N) (N)/(T) = 3.839Total Area of Others (pen, p.karang) : 1.00 m²TOTAL AREA OF BUILDING FLOOR : 151.00 m²

FLOOR AREA RATIO (F.A.R.) : 0.108

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached Plan by	Mat'ls/ Technics	Use
PAMERAJAN	Yes	10.00	10.00	100.00	-	-	-	-
BALE ADAT	Yes	3.00	5.00	15.00	1.67	-	Trad	Trad
UMA METEN	No	-	-	-	-	-	-	-
BALE DAUH	Yes	3.00	5.40	16.20	1.80	-	Trad	Trad
PAON	No	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-
ALING-ALING	No	-	-	-	-	-	-	-
P. KARANG	Yes	1.00	1.00	1.00	1.00	-	-	-

NEW BUILDING Buildings ;

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Plan	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	4.20	9.00	37.80	2.14	Trans	Trans	E	AtstrgA	3 - 1
SLEEPING-B	No	-	-	-	-	-	-	-	-	-
SLEEPING-C	No	-	-	-	-	-	-	-	-	-
SLEEPING-D	No	-	-	-	-	-	-	-	-	-
KITCHEN-A	Yes	5.20	8.00	36.00	1.54	Trans	Trans	S	AtstrgB	3 - 2
KITCHEN-B	No	-	-	-	-	-	-	-	-	-
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY-A	No	-	-	-	-	-	-	-	-	-
HOMESTAY-B	No	-	-	-	-	-	-	-	-	-
HOMESTAY-C	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	No	-	-	-	-	-	-	-	-	-
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	Yes	2.00	4.00	8.00	2.00	Trans	Trans	E	-	1
SHELTER-B	Yes	2.00	4.00	8.00	2.00	Trans	Trans	SE	-	1
SHELTER-C	Yes	2.00	2.00	4.00	2.00	Trans	Trans	S	-	1
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	No	-	-	-	-	-	-	-	-	-
STORAGE-A	Yes	2.50	4.00	10.00	-	Trans	Trans	E	AtslepA	1 - 3
ANIMAL PEN	No	-	-	-	-	-	-	-	-	-
OTHER (Strg-B)	Yes	2.00	8.00	16.00	-	Trans	Trans	S	Atkitch	2 - 3

RECORDS of BALINESE HOUSE ADAPTATION

Case : BELANG-13

Category : B

Location of ENTRANCE GATE : SOUTH

Lot Area : Width = 266.2 m	Length = 54.00 m	Area = 1728.00 m ²
Total Area of Traditional buildings	: 31.54 m ² (T)	
Total Area of New buildings	: 253.70 m ² (N)	(N)/(T) = 8.044
Total Area of Others (pen, p.karang)	: 25.50 m ²	
TOTAL AREA OF BUILDING FLOOR	: 285.24 m ²	
FLOOR AREA RATIO (F.A.R.)	: 0.165	

TRADITIONAL Buildings :

	Exist/ Not-exist	Width (m)	Length (m)	Area (m ²)	Propor- tion	Attached Plan by	Plan	Mat'ls/ Technics	Use
PAMERAJAN	Yes	10.00	12.00	120.00	-	-	-	-	-
BALE ADAT	Yes	3.00	5.00	16.50	1.83	-	Trad	Trad	-
UMA METEN	No	-	-	-	-	-	-	-	-
BALE DAUH	Yes	3.00	5.00	15.00	1.67	-	Trans	Trans	-
PAON	No	-	-	-	-	-	-	-	-
JINENG	No	-	-	-	-	-	-	-	-
ALING-ALING	No	-	-	-	-	-	-	-	-
P. KARANG	Yes	3.00	3.00	9.00	1.00	-	-	-	-

NEW BUILDING Buildings ;

	Exist/ Not-exist(m)	Width	Length	Area	Propor- tion	Plan	Mat'ls/ Technics	Orien- tation	Former Trad.B.	Number of rooms
SLEEPING-A	Yes	6.00	6.00	36.00	1.00	Modern	Modern	N	Meten	3
SLEEPING-B	Yes	4.80	8.00	38.40	1.67	Trans	Trans	SW	-	2
SLEEPING-C	Yes	4.00	9.00	36.00	2.25	Trans	Trans	NW	-	3
SLEEPING-D	Yes	3.20	9.00	28.80	2.81	Trans	Trans	NW	-	3
SLEEPING-E	Yes	5.00	6.50	32.50	1.30	Modern	Modern	NW	-	3
SLEEPING-F	Yes	4.50	7.00	31.50	-	Trans	Modern	S	Atkitch	2-3-1
KITCHEN-A	Yes	4.50	18.50	40.50	4.11	Trans	Modern	S	Paon	3-1-2
KITCHEN-B	No	-	-	-	-	-	-	-	-	-
KITCHEN-C	No	-	-	-	-	-	-	-	-	-
HOMESTAY	No	-	-	-	-	-	-	-	-	-
BATH/WC-A	Yes	2.00	5.00	10.00	-	-	-	S	Atkitch	1-3-2
BATH/WC-B	No	-	-	-	-	-	-	-	-	-
SHELTER-A	No	-	-	-	-	-	-	-	-	-
SHELTER-B	No	-	-	-	-	-	-	-	-	-
SHELTER-C	No	-	-	-	-	-	-	-	-	-
GARAGE	No	-	-	-	-	-	-	-	-	-
RESTAURANT	No	-	-	-	-	-	-	-	-	-
SHOPS	No	-	-	-	-	-	-	-	-	-
STORAGE	No	-	-	-	-	-	-	-	-	-
ANIMAL PEN-A	Yes	2.50	3.00	7.50	1.2	-	-	N	-	1
OTHER (Pen-B)	Yes	2.00	4.50	9.00	2.25	-	-	N	-	1

APPENDIX G

APPENDIX

FREQUENCIES OF QUESTIONNAIRE ANSWERS (in %):

Statement (1) : THE NEIGHBOURHOOD LIFE IN THIS HOUSING ENVIRONMENT IS IS A GOOD HARMONY.

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	76.67 100.0	23.30	0.00 x	0.00 0.00	0.00
BELANG	26.67 96.70	70.00	0.00 x	0.00 0.00	0.00
PERUMNAS	12.90 90.30	77.40	6.50 x	3.20 3.20	0.00
Total	21.10 96.70	75.60	2.20 x	1.10 1.10	0.00

Statement (2) : PAON (KITCHEN) MAY BE LOCATED BESIDE BALE DANGIN (EAST PAVILION)

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 3.33	3.33	23.20 x	6.70 73.40	66.70
BELANG	0.00 6.90	6.90	6.90 x	72.40 86.20	13.80
PERUMNAS	6.50 32.30	25.80	9.70 x	41.90 58.00	16.10
Total	3.30 22.80	18.90	7.80 x	60.00 70.00	10.00

Statement (3) : BALINESE TRADITIONAL HOUSE CAN STRENGTHEN FAMILY TIES

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	6.70 96.70	90.00	3.33 X	0.00 0.00	0.00
BELANG	20.00 86.70	66.70	10.00 X	3.30 3.30	0.00
PERUMNAS	41.90 91.20	48.40	3.20 X	6.50 3.30	0.00
Total	23.10 91.20	68.10	5.50 X	3.30 3.30	0.00

Statement (4) : BALINESE TRADITIONAL HOUSE SHOULD BE DESIGNED ACCORDING TO
ASTA KOSALA KOSALI (ANCIENT ARCHITECTURAL SCROLLS)

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	33.33 96.63	63.30	3.33 X	0.00 0.00	0.00
BELANG	50.00 96.70	46.70	3.30 X	0.00 0.00	0.00
PERUMNAS	67.70 87.10	19.40	9.70 X	0.00 3.20	3.20
Total	50.50 93.40	42.90	5.50 X	0.00 3.20	1.10

Statement (5) : THE FORM OF ANGKUL-ANGKUL (ENTRANCE GATE) IS BEAUTIFUL TO
PLEASE HINDU GODS

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 20.00	16.70	6.70 X	73.30 73.30	0.00
BELANG	0.00 16.70	16.70	46.70 X	23.30 36.60	13.30
PERUMNAS	0.00 12.90	12.90	12.90 X	58.10 74.20	16.10
Total	2.20 33.00	30.80	26.40 X	30.80 40.70	9.90

Statement (6) : WHEN BUILDING A BALINESE TRADITIONAL HOUSE PAMERAJAN (HOUSE
SHRINE) IS NOT NECESSARILY BUILT FIRST.

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 20.00	16.70	6.70 X	73.30 73.30	0.00
BELANG	3.30 16.60	13.30	0.00 X	66.70 83.40	16.70
PERUMNAS	6.70 53.40	46.70	3.30 X	33.30 43.30	10.00
Total	4.40 30.00	25.60	3.30 X	57.80 65.70	8.90

Statement (7) : WHEN BUILDING A BALINESE TRADITIONAL, I WOULD NOT NEED RITUAL CEREMONIES ANYMORE

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 86.60	83.30	10.00 X	3.30 3.30	0.00
BELANG	10.00 80.00	70.00	6.70 X	13.30 13.30	0.00
PERUMNAS	48.40 80.70	32.30	16.10 X	3.20 3.20	0.00
Total	20.90 82.40	61.50	11.10 X	6.60 6.60	0.00

Statement (8) : IF A BUILD BALINESE TRADITIONAL HOUSE, I WOULD NOT NEED RITUAL CEREMONIES ANYMORE

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 0.00	0.00	0.00 X	66.70 100.00	33.30
BELANG	0.00 0.00	0.00	0.00 X	50.00 100.00	50.00
PERUMNAS	0.00 0.00	0.00	0.00 X	19.40 100.00	80.60
Total	0.00 0.00	0.00	0.00 X	45.10 100.00	54.90

Statement (9) : BECAUSE JINENG/KLUMPU (RICE GRANARY) HAS BEEN RARELY USED, IT IS BETTER DEMOLISHED

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 46.70	46.70	20.00 X	30.00 33.30	3.30
BELANG	3.30 50.00	46.70	10.00 X	23.30 40.00	16.70
PERUMNAS	0.00 19.40	19.40	6.50 X	51.60 74.20	22.60
Total	1.10 38.50	37.40	12.10 X	35.20 49.50	14.20

Statement (10) : DURING HER PERIOD, A WOMAN SHOULD NOT BE ALLOWED TO ENTER PAMERAJAN (HOUSE SHRINE)

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	36.70 100.00	63.30	0.00 X	0.00 0.00	0.00
BELANG	40.00 96.70	56.70	0.00 X	0.00 3.30	3.30
PERUMNAS	80.60 90.30	9.70	0.00 X	6.50 9.70	3.20
Total	52.70 95.60	42.90	0.00 X	2.20 4.40	2.20

Statement (11) : IF A TRADITIONAL HOUSE DOES NOT HAVE A PAMERAJAN (HOUSE SHRINE), A FAMILY MEMBER WILL BE ILL

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	20.0 96.7	76.7	0.00 X	3.30 3.30	0.00
BELANG	23.30 100.00	76.70	0.00 X	0.00 0.00	0.00
PERUMNAS	32.30 77.50	45.20	16.10 X	3.20 6.40	3.20
Total	25.30 91.20	65.90	5.50 X	2.20 3.30	1.10

Statement (12) : RITUAL CEREMONIES IN BALINESE FAMILY CAN ONLY BE PERFORMED IN TRADITIONAL HOUSES

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 76.70	76.70	6.70 X	16.70 16.70	0.00
BELANG	23.30 93.30	70.00	0.00 X	6.70 6.70	0.00
PERUMNAS	23.30 33.30	10.00	0.00 X	46.70 66.70	20.00
Total	15.60 67.80	52.20	2.20 X	23.30 30.00	6.70

Statement (13) : ASTA KOSALA KOSALI (ANCIENT MANUSCRIPTS) AS GUIDANCE TO BUILD A HOUSE IS OBSOLETE

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 0.00	0.00	3.30 X	30.00 96.70	66.70
BELANG	3.30 6.60	3.30	0.00 X	43.30 93.30	50.00
PERUMNAS	0.00 3.20	3.20	3.20 X	22.60 93.60	71.00
Total	1.10 3.30	2.20	2.20 X	31.90 94.50	62.60

Statement (14) : CHOOSING AN AUSPICIOUS DAY IS FOOLISH DOING

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 0.00	0.00	3.30 X	30.00 96.70	66.70
BELANG	3.30 6.60	3.30	0.00 X	43.30 93.30	50.00
PERUMNAS	0.00 3.20	3.20	3.20 X	22.60 96.60	71.00
Total	1.10 3.30	2.20	2.20 X	31.90 94.50	62.60

Statement (15) : IN ORDER TO KEEP UP WITH TIME, TRADITIONAL HOUSE NEED TO BE CHANGED AND ADAPTED

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 63.30	63.30	10.00 X	26.70 26.70	0.00
BELANG	3.30 92.70	86.70	0.00 X	10.00 10.00	0.00
PERUMNAS	6.50 19.40	12.90	6.50 X	58.10 74.20	16.10
Total	3.30 57.10	53.80	5.50 X	31.90 37.40	5.50

Statement (16) : IN ADAPATING BALINESE TRADITIONAL ARCHITECTURE, BALE DANGIN (EAST PAVILION) MUST BE LET ALONE

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	46.70 93.40	46.70	0.00 X	3.30 3.30	0.00
BELANG	56.70 96.70	40.00	0.00 X	3.30 3.30	0.00
PERUMNAS	29.30 71.20	41.90	16.10 X	12.90 12.90	0.00
Total	44.40 87.70	43.30	5.60 X	6.70 6.70	0.00

Statement (17) : ALING-ALING (SCREENING WALL) IS A PART OF THE HOUSE THAT MAY BE DEMOLISHED

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 40.00	36.70	3.30 X	43.30 56.60	13.30
BELANG	0.00 40.00	40.00	50.00 X	10.00 10.00	0.00
PERUMNAS	3.30 30.00	26.70	23.30 X	33.30 46.60	13.30
Total	2.20 36.60	34.40	25.60 X	28.90 37.80	8.90

Statement (18) : CHANGING OR ADAPTING TRADITIONAL HOUSE MEANS BREAKING THE EXISTING TRADITION

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 43.30	40.00	23.30 X	33.30 33.30	0.00
BELANG	7.10 21.40	14.30	50.00 X	28.60 28.60	0.00
PERUMNAS	12.90 48.40	35.50	9.70 X	38.70 41.90	3.20
Total	7.90 38.20	30.30	27.00 X	33.70 34.80	1.10

Statement (19) : IF PAWON (KITCHEN) WAS LOCATED ON THE KAJA (NORTH) DIRECTION, THE HOUSE OCCUPANTS WILL FEEL UNEASY

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	20.00 100.00	80.00	0.00 X	0.00 0.00	0.00
BELANG	40.00 100.00	60.00	0.00 X	0.00 0.00	0.00
PERUMNAS	16.10 70.90	54.80	6.50 X	16.10 22.60	6.50
Total	25.30 90.10	64.80	2.20 X	5.50 7.70	2.20

Statement (20) : IF A HOUSE LOT IS TOO SMALL, PAMERAJAN (HOUSE SHRINE) MAY BE LOCATED ON THE ROOF LEVEL

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 43.30	43.30	13.30 X	43.30 43.30	0.00
BELANG	0.00 63.30	63.20	23.30 X	10.00 10.00	0.00
PERUMNAS	10.00 53.30	43.30	6.70 X	23.30 40.00	16.70
Total	3.30 53.30	50.00	14.40 X	25.60 32.30	6.70

Statement (21) : HOUSE ADAPTATION MAKE THE FORM OF TRADITIONAL HOUSE MORE APPEALING FOR MOST BALINESE PEOPLE

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 33.30	33.30	53.30 X	10.00 13.30	3.30
BELANG	6.90 48.30	41.40	44.80 X	6.90 6.90	0.00
PERUMNAS	3.20 35.40	32.30	22.60 X	32.30 42.40	9.70
Total	3.30 38.90	35.60	40.00 X	16.70 21.10	4.40

Statement (22) : WHEN ADAPTING TRADITIONAL HOUSE IT IS BETTER TO PULL DOWN BALE DELOD (WEST PAVILION) THAN PULLING DOWN THE PAWON

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00	30.00	60.00	6.70	3.30
	30.00		X	10.00	
BELANG	3.30	23.30	26.67	26.67	20.00
	35.50		X	46.70	
PERUMNAS	3.20	32.30	41.90	22.60	0.00
	35.50		X	22.60	
Total	2.20	28.60	42.90	18.70	7.70
	30.80		X	26.40	

Statement (23) : IF BALE DANGIN (EAST PAVILION) WAS DEMOLISHED, RITUAL CEREMONIES IN THE HOUSE COULD NOT BE PERFORMED

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	6.70	76.70	0.00	16.70	0.00
	83.40		X	16.70	
BELANG	13.30	83.30	0.00	3.30	0.00
	96.60		X	3.30	
PERUMNAS	6.50	29.00	19.40	38.70	6.50
	35.50		X	45.20	
Total	8.80	62.60	6.60	19.80	2.20
	71.40		X	22.00	

Statement (24) : THE BALINESE WHOSE RELIGION IS HINDU-BALI, PREFER HIS HOUSE DESIGNED AND BUILT BY UNDAGI (TRADITIONAL ARCHITECTS)

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	13.30	86.70	0.00	0.00	0.00
	100.00		X		0.00
BELANG	41.40	55.20	3.40	0.00	0.00
	96.60		X	0.00	
PERUMNAS	25.80	35.50	19.40	19.40	0.00
	61.30		X	19.40	
Total	26.70	58.90	7.80	6.70	0.00
	84.60		X	6.70	

Statement (25) : UMA METEN (SLEEPING QUARTER) IS NO LONGER USED AS A PLACE TO KEEP FAMILY HEIRLOOM

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	0.00 40.00	40.00	36.70 X	23.30 23.30	0.00
BELANG	55.20 93.10	37.90	0.00 X	6.90 6.90	0.00
PERUMNAS	3.20 6.40	3.20	19.40 X	64.50 74.20	9.70
Total	1.10 33.30	32.20	31.10 X	32.20 35.50	3.30

Statement (26) : PALINGGIH (STONE SHRINE) IN THE PAMERAJAN (HOUSE SHRINE) WHEN MADE OF CONCRETE LOOK UGLY

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 83.30	80.00	3.30 X	13.30 13.30	0.00
BFLANG	8.00 74.70	66.70	6.70 X	0.00 0.00	0.00
PERUMNAS	0.00 30.00	30.00	13.30 X	50.00 56.70	6.70
Total	10.00 68.90	58.90	7.80 X	21.10 23.30	2.20

Statement (27) : ROOMS LAY-OUT IN PERUMNAS HOUSING (LOW-COST MODERN HOUSING) IS NOT SUITABLE FOR BALINESE WHOSEE RELIGION IS HINDU-BALI

	Strongly Agree	Agree	Undecided	Don't Agree	Strongly Disagree
UBUD	3.30 40.00	36.70	50.00 X	6.70 10.00	3.30
BELANG	23.30 46.60	23.30	50.00 X	3.30 3.30	0.00
PERUMNAS	19.40 48.40	29.00	12.90 X	35.50 38.70	3.20
Total	15.40 45.10	29.70	37.40 X	15.40 17.60	2.20

