Form Attribute Measurement Systems Study

PART 1	NO.:							Instum	ent Nam	e:	Visual Appraiser A: สมชาย CHI				ECKED	BY.				
PINS. N	Ю.:							Serial N	lumber:		-		Appraise	er B:		สมหมา	<u> </u>			
Cheract	eristic/S	necificat	tion					Sample	:	-	50	Pcs. Appraiser C: สมศรี				API	APPROVED BY.			
Trials.		P	3				Times	Date Pe				Appraiser: 3 Persons.								
Titais.				D-4	- II-	. 4		Date I c	110111160		l	N/L								
				Dat		ntry									ent F	acto		\nal	,	
ele:	ard				App	raiser/		I				A	Appraiser S			Standard				
Sample:	Standard		สมชาย			สมหมาย			สมศรี	1	\mathbf{V}	VS สมหมาย sum V		'S	STD. SUM		SUM			
	<i>S</i> 2	T1	T2	Т3	T1	T2	Т3	T1	T2	Т3		~	NG	G		·		NG	G	
1	g	g	g	g	g	g	g	g	g	g		NG	44	6	50		NG	45	5	50
2	g	g	g	g	g	g	g	g	g	g	สมชาย		15.7	34.3		สมษาย		16	34	
3	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	สม	G	3	97	100	A 3	G	3	97	100
4	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng			31.3	68.7				32	68	
5	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	SU		47	103	150		JM	48	102	150
6	g	g	g	ng	g	g	ng	g	ng	ng	PO =			0.562	ı			PE =		
7	g	g	g	g	g	g	g	g	ng	g	Kappa			863		Kappa		0.879		
8	g	g	g	9	9	g	g	g	g	g	-	A	pprais	er เศริ			Standard STD.			
10	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	V	S		IM 3 G	SUM	V	'S	NG	G	SUM
11	g	g	g g	g	g g	g g	g g	g g	9	g			NG 43					45		
12	ng	ng	ng	ng	ng	ng	ng	ng	g g	ng	<u> </u>	NG	17	7 33	50	าย	NG	15	32	47
13	g	g	g	g	g	g	g	g	g	g	สมชาย		8	92		สมหมาย		3	100	
14	g	g	g	ng	g	g	g	g	ng	ng	<u>a</u>	G	34	66	100	a 3	G	33	70	103
15	g	g	g	g	g	g	g	g	g	g	SU	IM	51	99	150	SI	<u>I</u> JM	48	102	150
16	g	g	g	g	g	g	g	g	g	g	PO = 0.9 $PE = 0.553$				PE =		150			
17	g	g	g	g	g	g	g	g	g	g			Kappa							
18	g	g	g	g	g	g	g	g	g	g		A	pprais					Standard		
19	g	g	g	g	g	g	g	g	g	g				เศรี				STD.		
20	g	g	g	g	g	g	g	g	g	g	V	VS		G	SUM	V	'S	NG	G	SUM
21	g	g	g	ng	g	ng	g	ng	g	ng	_		42	5				42	9	
22	ng	ng	ng	g	ng	g	ng	g	g	ng	มาย	NG	16	31	47	31) 31)	NG	16.3	34.7	51
23	g	g	g	g	g	g	g	g	g	g	สมหมาย		9	94	102	สมศริ	-	6	93	99
24	g	g	g	g	g	g	g	g	g	g	Ø	G	35	68	103		G	31.7	67.3	99
25	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	SU	JМ	51	99	150	SU	JM	48	102	150
26	ng	ng	g	ng	ng	ng	ng	ng	ng	g	PO =	0.907	PE =	0.56		PO =	0.9	PE =	0.558	
27	g	g	g	g	g	g	g	g	g	g	Kappa	=	0.7	788		Kappa	=	0.3	774	
28	g	g	g	g	g	g	g	g	g	g				Т	he kapp	a value	is:			
29	g	g	g	g	g	g	g	g	g	g			Kappa	a ≥0.75 o	r higher i	indicates	good agr	reement		
30	ng	ng	ng	ng	ng	ng	g	ng	ng	ng				<kappa< th=""><th></th><th></th><th></th><th></th><th></th><th></th></kappa<>						
31	g	g	g	g	g	g	g	g	g	g	┨.	kappa \leq 0.40 indeicates poor agreement			,					
32	g	g	g	g	g	g	g	g	g	g		Decision Effectiveness		iveness	Miss Rate False Alarm					
33	g	g	g	g	g	g	g	g	g	g			ptable	≥90% ≤2%			5%			
34	ng	ng	ng	g	ng	ng	g	ng	g	g			vement		80%		5%		0%	
35	g	g	g	g	g	g	g	g	g	g]	Unacc	eptable	<8	0%	>:	5%	>1	0%	j l

36	g	g	g	ng	g	g	g	g	ng	g
37	ng									
38	g	g	g	g	g	g	g	g	g	g
39	ng									
40	g	g	g	g	g	g	g	g	g	g
41	g	g	g	g	g	g	g	g	g	g
42	ng									
43	g	g	ng	g	g	g	g	g	g	ng
44	g	g	g	g	g	g	g	g	g	g
45	ng									
46	g	g	g	g	g	g	g	g	g	g
47	g	g	g	g	g	g	g	g	g	g
48	ng									
49	g	g	g	g	g	g	g	g	g	g
50	ng									

Source

95% UCI Calc. Score

95% LCI

จำนวนชิ้นงานทั้งหมด

จำนวนชิ้นงานที่ตัดสินใจถูกทั้งหมดทุกรอบ

จำนวนชิ้นงานทั้งหมด

จำนวนชิ้นงานที่ดัดสินใจถูกทั้งหมดทุกรอบ จำนวนชิ้นงานที่มีการแจ้งเดือนผิดหมดทุกรอบ α จำนวนชิ้นงานที่มีการตัดสินใจผิดหมดทุกรอบ β จำนวนชิ้นงานที่ตัดสินใจไบ่เหมือบกับทกรอบ

โดลินใจไม่เหมอนกระการ Upper confidence = $\frac{V_1 F_{[v_1, v_1, 0.973]}}{V_2 + V_1 F_{[v_1, v_1, 0.973]}}$

 $\text{Lower confidence} = \frac{V_{1}F_{(v_{1},v_{2},0.025)}}{V_{2}+V_{1}F_{(v_{1},v_{2},0.025)}}$

RESULTS SUMMARY						
Appraiser	Miss Rate	False Alarm Rate				
สมชาย	6.3	4.9				
สมหมาย	6.3	2.0				
สมศรี	12.5	8.8				

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ผลการตัด ผ่าน	าสินใจ	หมายเหตุ
ปรับปรุง		
ไม่ผ่าน		

% Appraiser¹

Appraiser agreed with him/herself on all trials

สมชาย	สมหมาย	สมศรี
50	50	50
42	45	40

92.8	96.7	90.0
84	90	80
70.9	78.2	66.3

System % Effective Score³

All appraisers agreed within and

between themselves

50 39

5% UCI	88.5
Calculated Score	78
5% LCI	64.1

% Score vs. Attribute²

Appraiser agreed on all trials with standard

สมชาย	สมหมาย	สมศรี
50	50	50
42	45	40
0	0	0
0	0	0
8	5	10
92.8	96.7	90.0
84	90	80
70.9	78.2	66.3

System % Effective Score vs.

Reference⁴

All appraisers agreed within and between themselves AND agreed with standard

50	
39	

88.5
78
64.1