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LAMPIRAN

Tabel Lampiran 1. Daftar Sampel Tanaman

No	Spesies	Kode Akses	Nama Lokal	Kabupaten
1	<i>Colocasia esculenta</i>	TU01	Bite	Toraja Utara
2		TU02	Upe Putih	Toraja Utara
3		TU03	Upe Kuning	Toraja Utara
4		TU04	Upe Putih	Toraja Utara
5		TU05	Upe Kaluku	Toraja Utara
6		TU06	Upe Ungu	Toraja Utara
7		TU07	Upe Ungu	Toraja Utara
8		TU08	Upe Kuning	Toraja Utara
9		M01	Upe Talu	Mamasa
10		E02	E05	Enrekang
11		E01	E64	Enrekang
12		M03	M03	Mamasa
13		M04	M04	Mamasa
14		M07		Mamasa
15		M08		Mamasa
16		M05		Mamasa
17		M06		Mamasa
18		M09		Mamasa
19		UK	Upe Kalambu	
20	<i>Xanthosoma sagittifolium</i>	TT01	Moggo 2	Tanah Toraja
21		TT02	Moggo 2	Tanah Toraja
22		TT03	Monggo 2	Tanah Toraja
23		TT05	Upe Riri	Tanah Toraja
24		E03		Enrekang
25	<i>Xanthosoma violanceum</i>	M02		Mamasa
26		TT04	Samonggo ungu	Tanah Toraja



Tabel Lampiran 2. Pengamatan Morfologi Talas Umur 14 MST

Sample	Kode Akses	Nama Lokal	Kabupaten	Spesies	stolon (buah)	tunas air (buah)	Tinggi (cm)	Rentang (cm)	Diameter batang (mm)
1	TU01	Bite	Toraja Utara	Colocasia esculenta	3	5	41	56	11,21
2	M021		Mamasa	Colocasia esculenta	1	1	9,5	7	2,39
3	TT01	Moggo 2	Toraja	Xanthosoma sagittifolium	2	8	88	94	22,31
4	TT02	Moggo 2	Toraja	Xanthosoma sagittifolium	1	6	105	59	30,41
6	TT03	Monggo Kurra	Toraja	Xanthosoma sagittifolium	0	7	93	86	24,36
7	TU02	Upe Putih	Toraja Utara	Colocasia esculenta	7	21	90	85	23,51
8	TU03	Upe Kuning Pamanukan	Toraja Utara	Colocasia esculenta	2	3	79	31	14,66
9	E03		Enrekang	Xanthosoma sagittifolium	8	9	33	20	3,63
15	TU06	Upe Ungu 2 Kode 4	Toraja Utara	Colocasia esculenta	3	8	76	94,5	17,69
16	M017		Mamasa	Colocasia esculenta	2	7	57	49,5	8,48
17	TU04	Upe Putih	Toraja Utara	Colocasia esculenta	5	14	83	120	20,16
21	UK	Upe Kambalu		Colocasia esculenta	5	7	62,5	51,5	22
30	M07		Mamasa	Colocasia esculenta	3	10	60	56,5	17,83
32	TU05	Upe Kaluku Putih 1 Pamanukan	Toraja Utra	Colocasia esculenta	1	1	36	13	18,53
35	M08		Mamasa	Colocasia esculenta	4	4	5	8	0,68
39	E05		Enrekang	Colocasia esculenta	5	16	50,5	59,5	9,13
44	M01	Upe Talu	Mamasa	Colocasia esculenta	2	3	43	27	8,02
46	TT04	Samonggo ungu	Toraja	Xanthosoma violanceum	4	14	87	108	16,34
47	TU08	Upe kuning 2	Toraja Utara	Colocasia esculenta	4	5	62	57	12,02
50	E04		Enrekang	Colocasia esculenta	3	7	90	78,5	19,61
53	TU07	Upe Ungu	Toraja Utara	Colocasia esculenta	3	5	63	71	20,77
57	M018		Mamasa	Colocasia esculenta	1	2	54	38,5	13,58
58	M02		Mamasa	Xanthosoma violanceum	14	24	30	41	9,14
60	TT05	Upe Riri	Toraja	Xanthosoma sagittifolium	3	13	55	56	10,03
63	M03		Mamasa	Colocasia esculenta	2	6	69,5	50,5	9,25
69	M04		Mamasa	Colocasia esculenta	6	13	90	60	21,83

Tabel Lampiran 3. Pengamatan Morfologi Talas Umur 16 MST

Sample	Kode Akses	Nama Lokal	Kabupaten	Spesies	stolon (buah)	tunas air (buah)	Tinggi (cm)	Rentang (cm)	Diameter batang (mm)
1	TU01	Bite	Toraja Utara	Colocasia esculenta	3	7	41	58	8,69
2	M021		Mamasa	Colocasia esculenta	1	2	17,5	20,5	3,7
3	TT01	Moggo 2	Toraja	Xanthosoma sagittifolium	2	11	98	119	25,73
4	TT02	Moggo 2	Toraja	Xanthosoma sagittifolium	1	7	107	134,5	42,15
6	TT03	Monggo Kurra	Toraja	Xanthosoma sagittifolium	1	8	113	126,5	28,5
7	TU02	Upe Putih	Toraja Utara	Colocasia esculenta	7	21	101	113	34,58
8	TU03	Upe Kuning Pamanukan	Toraja Utara	Colocasia esculenta	2	4	89	70,5	19,71
9	E03		Enrekang	Xanthosoma sagittifolium	8	19	31,5	40	8,17
15	TU06	Upe Ungu 2 Kode 4	Toraja Utara	Colocasia esculenta	4	11	85,5	92	27,21
16	M017		Mamasa	Colocasia esculenta	4	11	65	99,4	15,9
17	TU04	Upe Putih	Toraja Utara	Colocasia esculenta	4	14	88,5	104,5	46,24
21	UK	Upe Kambalu		Colocasia esculenta	5	9	69,5	80,4	24
30	M07		Mamasa	Colocasia esculenta	4	14	62	78	33,56
32	TU05	Upe Kaluku Putih 1 Pamanukan	Toraja Utra	Colocasia esculenta	1	2	50,5	42	12,71
35	M08		Mamasa	Colocasia esculenta	4	7	42,5	45,1	17,51
39	E05		Enrekang	Colocasia esculenta	6	15	50	52	19,21
44	M01	Upe Talu	Mamasa	Colocasia esculenta	2	5	70	54	28,05
			Toraja	Xanthosoma violanceum	5	20	83	135	50,73
			Toraja Utara	Colocasia esculenta	3	5	60	53,5	19,58
			Enrekang	Colocasia esculenta	3	10	115	78,5	69,21
			Toraja Utara	Colocasia esculenta	2	4	71	30	21,35
			Mamasa	Colocasia esculenta	3	8	60	59	15,37
			Mamasa	Xanthosoma violanceum	9	19	90	83	13,67
			Toraja	Xanthosoma sagittifolium	4	15	74,5	85	28,73
			Mamasa	Colocasia esculenta	2	5	69,5	68,5	21,15
			Mamasa	Colocasia esculenta	7	20	93	85,5	29,6



Tabel Lampiran 4. Pengamatan Morfologi Talas Umur 18 MST

Sample	Kode Akses	Nama Lokal	Kabupaten	Spesies	stolon (buah)	tunas air (buah)	Tinggi (cm)	Rentang (cm)	Diameter batang (mm)
1	TU01	Bite	Toraja Utara	Colocasia esculenta	3	9	44	49	23,81
2	M021		Mamasa	Colocasia esculenta	1	4	30	25	11,22
3	TT01	Moggo 2	Toraja	Xanthosoma sagittifolium	2	9	105	169	74,85
4	TT02	Moggo 2	Toraja	Xanthosoma sagittifolium	1	6	122	121	85,87
6	TT03	Moggo Kurra	Toraja	Xanthosoma sagittifolium	1	6	117	103	64,12
7	TU02	Upe Putih	Toraja Utara	Colocasia esculenta	7	19	114	103	56,89
8	TU03	Upe Kuning Pamanukan	Toraja Utara	Colocasia esculenta	2	6	106	99	56,59
9	E03		Enrekang	Xanthosoma sagittifolium	6	13	33	41	12,03
15	TU06	Upe Ungu 2 Kode 4	Toraja Utara	Colocasia esculenta	4	11	94	69	59,57
16	M017		Mamasa	Colocasia esculenta	4	11	58	41	54,45
17	TU04	Upe Putih	Toraja Utara	Colocasia esculenta	8	17	92	94	57
21	UK	Upe Kambalu		Colocasia esculenta	5	12	83	68	38
30	M07		Mamasa	Colocasia esculenta	4	14	76	58	39,65
32	TU05	Upe Kaluku Putih 1 Pamanukan	Toraja Utra	Colocasia esculenta	1	3	68	20	22,73
35	M08		Mamasa	Colocasia esculenta	5	12	64	77	20,02
39	E05		Enrekang	Colocasia esculenta	5	16	63	53	29,5
44	M01	Upe Talu	Mamasa	Colocasia esculenta	2	5	98	135	35
46	TT04	Samonggo ungu	Toraja	Xanthosoma violanceum	5	21	104	136	47
47	TU08	Upe kuning 2	Toraja Utara	Colocasia esculenta	2	5	90	47	38,35
50	E04		Enrekang	Colocasia esculenta	3	9	138	82	90,82
53	TU07	Upe Ungu	Toraja Utara	Colocasia esculenta	2	4	57	110	22,2
57	M018		Mamasa	Colocasia esculenta	1	4	78	63	39,41
58	M02		Mamasa	Xanthosoma violanceum	11	20	37	44	19,91
60	TT05	Upe Riri	Toraja	Xanthosoma sagittifolium	4	14	76	85	34
63	M03		Mamasa	Colocasia esculenta	2	7	70	78	40,23
69	M04		Mamasa	Colocasia esculenta	7	24	105	89	46,98

Tabel Lampiran 5. Pengamatan Morfologi Talas Umur 20 MST

Sample	Kode Akses	Nama Lokal	Kabupaten	Spesies	stolon (buah)	tunas air (buah)	Tinggi (cm)	Rentang (cm)	Diameter batang (mm)
1	TU01	Bite	Toraja Utara	Colocasia esculenta	4	16	61	72	29,57
2	M021		Mamasa	Colocasia esculenta	1	4	39	51	12,14
3	TT01	Moggo 2	Toraja	Xanthosoma sagittifolium	2	8	117	112	63,56
4	TT02	Moggo 2	Toraja	Xanthosoma sagittifolium	1	5	108	116	69,18
6	TT03	Moggo Kurra	Toraja	Xanthosoma sagittifolium	1	3	131	133	47,5
7	TU02	Upe Putih	Toraja Utara	Colocasia esculenta	6	17	127	139	42,23
8	TU03	Upe Kuning Pamanukan	Toraja Utara	Colocasia esculenta	1	4	116	55	46,77
9	E03		Enrekang	Xanthosoma sagittifolium	5	7	39	46	11,57
15	TU06	Upe Ungu 2 Kode 4	Toraja Utara	Colocasia esculenta	2	7	83	105	43,21
16	M017		Mamasa	Colocasia esculenta	2	6	54	63	16,59
17	TU04	Upe Putih	Toraja Utara	Colocasia esculenta	6	20	93	66	32,87
21	UK	Upe Kambalu		Colocasia esculenta	2	7	90	94	55,49
30	M07		Mamasa	Colocasia esculenta	4	14	100	54	38,6
32	TU05	Upe Kaluku Putih 1 Pamanukan	Toraja Utra	Colocasia esculenta	1	3	69	65	15,77
35	M08		Mamasa	Colocasia esculenta	5	8	56	56	23,07
39	E05		Enrekang	Colocasia esculenta	6	13	58	90	32,6
44	M01	Upe Talu	Mamasa	Colocasia esculenta	2	6	94	62	45,7
			Toraja	Xanthosoma violanceum	5	21	104	38	49,1
			Toraja Utara	Colocasia esculenta	1	4	96	71	42,36
			Enrekang	Colocasia esculenta	3	8	141	87	91
			Toraja Utara	Colocasia esculenta	2	5	61	50	31,13
			Mamasa	Colocasia esculenta	1	4	65	75	42,36
			Mamasa	Xanthosoma violanceum	10	26	37	46	28,15
			Toraja	Xanthosoma sagittifolium	3	12	91	89	44,57
			Mamasa	Colocasia esculenta	2	10	74	76	45
			Mamasa	Colocasia esculenta	6	27	101	57	52



Tabel Lampiran 6. Pengamatan Morfologi Talas Umur 22 MST

Sample	Kode Akses	Nama Lokal	Kabupaten	Spesies	stolon (buah)	tunas air (buah)	Tinggi (cm)	Rentang (cm)	Diameter batang (mm)
1	TU01	Bite	Toraja Utara	<i>Colocasia esculenta</i>	4	16	65	75	33,4
2	M021		Mamasa	<i>Colocasia esculenta</i>	1	4	40	63	13,9
3	TT01	Moggo 2	Toraja	<i>Xanthosoma sagittifolium</i>	2	8	122	118	60,2
4	TT02	Moggo 2	Toraja	<i>Xanthosoma sagittifolium</i>	1	5	113	114	72,3
6	TT03	Moggo Kurra	Toraja	<i>Xanthosoma sagittifolium</i>	1	3	133	134	52,73
7	TU02	Upe Putih	Toraja Utara	<i>Colocasia esculenta</i>	7	20	131	140	36,8
8	TU03	Upe Kuning Pamanukan	Toraja Utara	<i>Colocasia esculenta</i>	1	5	123	54	41,65
9	E03		Enrekang	<i>Xanthosoma sagittifolium</i>	6	8	36	41	15,88
15	TU06	Upe Ungu 2 Kode 4	Toraja Utara	<i>Colocasia esculenta</i>	3	12	93	97	45,35
16	M017		Mamasa	<i>Colocasia esculenta</i>	3	9	51	54	20,13
17	TU04	Upe Putih	Toraja Utara	<i>Colocasia esculenta</i>	7	23	92	61	31,06
21	UK	Upe Kambalu		<i>Colocasia esculenta</i>	2	7	83	97	59,61
30	M07		Mamasa	<i>Colocasia esculenta</i>	3	17	92	44	41,31
32	TU05	Upe Kaluku Putih 1 Pamanukan	Toraja Utra	<i>Colocasia esculenta</i>	2	5	70	63	20,29
35	M08		Mamasa	<i>Colocasia esculenta</i>	5	9	61	49	27,75
39	E05		Enrekang	<i>Colocasia esculenta</i>	7	16	51	80	30,92
44	M01	Upe Talu	Mamasa	<i>Colocasia esculenta</i>	2	6	89	55	41,79
46	TT04	Samonggo ungu	Toraja	<i>Xanthosoma violanceum</i>	6	22	98	34	47,81
47	TU08	Upe kuning 2	Toraja Utara	<i>Colocasia esculenta</i>	1	4	92	70	39,77
50	E04		Enrekang	<i>Colocasia esculenta</i>	3	8	147	88	93,78
53	TU07	Upe Ungu	Toraja Utara	<i>Colocasia esculenta</i>	3	7	58	46	27,61
57	M018		Mamasa	<i>Colocasia esculenta</i>	2	5	75	78	46,99
58	M02		Mamasa	<i>Xanthosoma violanceum</i>	10	26	36	43	27
60	TT05	Upe Riri	Toraja	<i>Xanthosoma sagittifolium</i>	4	13	98	97	48,3
63	M03		Mamasa	<i>Colocasia esculenta</i>	2	10	72	71	42,76
69	M04		Mamasa	<i>Colocasia esculenta</i>	7	28	104	63	55,32

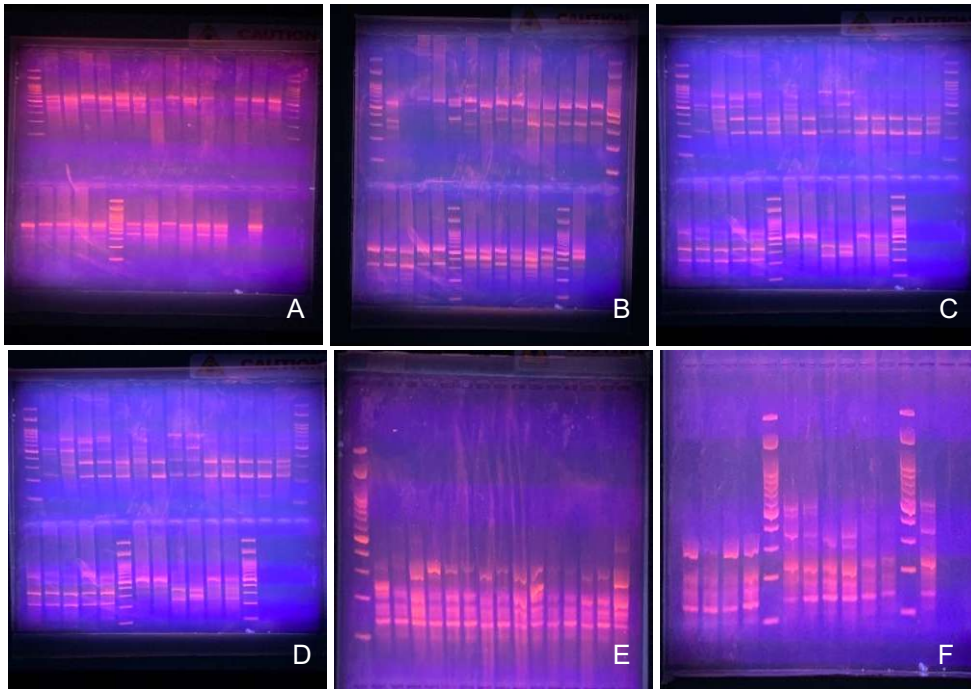


Tabel Lampiran 7. Data Biner Marker ISSR terhadap Sampel Talas yang diamati

	Pop1	Pop1	Pop1	Pop1	Pop1	Pop1	Pop1	Pop1	Pop2	Pop2	Pop2	Pop2	Pop2	Pop2	Pop2	Pop2	Pop3	Pop3	Pop3	Pop3	Pop3	Pop3	Pop3	Pop3
TU01	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	
TU02	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	0	0
TU03	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
TU04	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
TU05	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
TU06	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	
TU07	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
TU08	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
M01	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
E05	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
E64	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	
M03	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	
M04	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
M07	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
M08	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
M017	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
M018	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
M021	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
UK	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	
TT01	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	
TT02	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	
TT03	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	
TT04	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	
TT05	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	
E03	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	
M02	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	
Frequency	0	0	0,038462	0,384615	0,961538	0,923077	0,5	0	0	0	0	0	0,961538	0,923077	0	0,269231	0	0	0,384615	0,730769	1	0	0	
PIC	0	0	0,073964	0,473373	0,073964	0,142012	0,5	0	0	0	0	0	0,073964	0,142012	0	0,393491	0	0	0,473373	0,393491	0	0	0	
Average PIC	0,157914								0,026997								0,157544							
	Pop4	Pop4	Pop4	Pop4	Pop4	Pop4	Pop4	Pop4	Pop5	Pop5	Pop5	Pop5	Pop5	Pop5	Pop5	Pop5	Pop6	Pop6	Pop6	Pop6	Pop6	Pop6	Pop6	Pop6
TU01	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	
TU02	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TU03	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	0	
TU04	0	0	1	1	0	0	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	0	
TU05	0	0	1	1	0	0	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	0	
TU06	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TU07	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TU08	0	0	1	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M01	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
E05	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
E64	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M03	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M04	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M07	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M08	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M017	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M018	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M021	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
UK	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TT01	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TT02	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TT03	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TT04	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
TT05	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
E03	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
M02	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
Frequency	0,192308	0,153846	0,461538	1	0	0	0	0	0	0,115385	0,192308	1	1	1	0,076923	0,038462	0,115385	0,384615	0,961538	0,961538	0	0	0	
PIC	0,310651	0,260355	0,497041	0	0	0	0	0	0,204142	0,310651	0	0	0	0,142012	0,073964	0,204142	0,473373	0,073964	0,073964	0	0	0		
Average PIC	0,064349								0,130178															










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Gambar Lampiran 8. Hasil Elektroforesis Primer: A. UBC 889, B. UBC 856, C. UBC 811, D. UBC 825, E. UBC 807, F. UBC 809 Penanda Molekuler ISSR pada Sampel Talas



Tabel Lampiran 9. Dokumentasi Proses Analisis DNA

No.	Kegiatan	Foto
1.	Menggerus daun tanaman talas yang akan diekstrak	
2.	Mengekstrak DNA tanaman talas	
3.	Membuat agarosa untuk elektroforesis	
4.	Melakukan elektroforesis terhadap DNA yang sudah diekstrak	
5.	Mengamplifikasi DNA tanaman dengan marka ISSR menggunakan alat PCR	
6.	Membuat agarosa untuk elektroforesis DNA yang telah diamplifikasi	
	elektroforesis terhadap DNA yang telah di amplifikasi	





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