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LAMPIRAN

Lampiran 1. Dokumentasi penelitian



Pengambilan sampel



Ekstraksi DNA



Sampel *M.p* setelah di
gerus



Proses PCR



Proes Elektroforesis

Lampiran 2. Sekuen ITS *M. pedicellata* Forward dan Reverse

Mp_ITS_Forward

CGCTGCCTGCGACGTCGCGAGAAGTCCACTGAACCTTATCATTTAGA
 GGAAGGAGAAGTTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAG
 GATCATTGTGCGAGACCTGCAAAGCAGAACGACCCGTGAACCTCGTGTT
 TAACGTCGGGGACGTGCTTGCCTCGAGCTCGTGCGCCCCCGCCCGTG
 TCGCGTCGGGCTTTTCGTGCGCGCTGCGCCCCTGTGTGTGCGTGCCCGT
 CCGCCCGTCGCGGTGCCTTAACCAACCCCGGCGCAATCGCGCCAAG
 GACTTGTTAACGAGAGAGCCCGCTCCCGTCGCCCCCGGACACGGTGC
 GTGCGTGCGGGACGCGGCGCCTCCTTTCATTATCTATAACGACTCTCG
 GCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGTAGCGAAATG
 CGATACTTGGTGTGAATTGCAGAATCCCGTGAACCATCGAGTCTTTG
 AACGCAAGTTGCGCCCCAAGCCCGTTAGGGCCGGGCACGTCTGCCTG
 GGTGTCACGCATCGTTGCCCCCTCCCAAAGATCGCAAGATCCTTTTCG
 GCGTGCGGCGGGCGGAAATTGGCCTCCCGTGCGCTCGCCCGTGCGGTT
 GGCCCAAATCTGAGTTCTCGGTGACGCTTTCCCGCGACAGTCGGTGG
 CGTTTGAAAAACGACCTAGTGATCCTGTGCTGCGGTTGCGTTCTCCCG
 GCCACGAGCTCCGCGACCCTAGAGACCGGGCGGAAGCCCGCTCGCAT
 CGCGACCCCAAGTTCAGGCGGGATTACCCGCTGAGTTTAAGCATATCA
 ATAAGCGGAGGAAAAGAGACTTACCAGGATTCCCTTAGTAACGGCG
 AGCGACG

Mp_ITS_Reverse

CCTCCGCTTATTGATATGCTTAAACTCAGCGGGTAATCCCGCCTGACC
 TGGGGTCGCGATGCGAGCGGGCTTCCGCCCCGGTCTCTAGGGTCGCGG
 AGCTCGTGGCCGGGAGAACGCAACCGCACGACAGGATCACTAGGTC
 GTTTTTCAAACGCCACCGACTGTGCGGGGAAAGCGTCACCGAGAACT
 CAGATTTGGGCCAACCGCACGGGCGAGCGCACGGGAGGCCAATTTCC
 GCCCGCCACGCCGAAAGGATCTTGCGATCTTTGGGAGGGGGGCAAC
 GATGCGTGACACCCAGGCAGACGTGCCCCGGCCCTAACGGGCTTGGGG
 CGCAACTTGCGTTCAAAGACTCGATGGTTCACGGGATTCTGCAATTC
 ACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCGAGAGCCG
 AGATATCCGTTGCCGAGAGTCGTTATAGATAATGAAAGGAGGCGCCG
 CGTCCCGCACGCACGCACCGTGTCCGGGGGCGACGGGAGCGGGCTCT
 CTCGTTAACAAGTCCTTGCGCGGATTTCGCGCCGGGGTTGGTTAAGGC
 ACCGCGACGGGCGGACGGGCACGCACACACAGGGGCGCACGCGCGA
 CGAAAGCCCGACGCGACACGGGCGGGGGCGCACGAGCTCGAGGCAA
 GCACGTCCCCGACGTTAAACACGAGTTCACGGGTCTGTTCTGCTTTGC
 AGGTCTCGACAATGATCCTTCCGCAGGTTACCTACGGAAACCTTGTT
 ACGACTTCTCCTTCTCTAAATGATAAGGTTTCAGTGGACTTCTCGCGA
 CGTCGAGGCAGCGAACC GCCCGCGTCGCCGCGATCCGAACACTTCA
 CCGGACA

Lampiran 3 Panjang sekuen ITS pada spesies yang dipilih dari database NCBI

Spesies	Aksesi	Panjang Sekuen
Sampel yang diamati		
1. <i>Mangifera pedicellata</i>	-	900
Spesies dari Database NCBI :		
1. <i>Mangifera camptosperma</i>	MF444900.1	781
2. <i>Mangifera indica</i>	MF444902.1	781
3. <i>Mangifera griffithi</i>	MF444899.1	781
4. <i>Mangifera indica</i>	KJ833761.1	1012
5. <i>Mangifera camptosperma</i>	AB598043.1	725
6. <i>Mangifera indica</i>	KJ833764.1	1078
7. <i>Mangifera indica</i>	KJ833765.1	1066
8. <i>Mangifera indica</i>	KJ833760.1	1132
9. <i>Mangifera indica</i>	KJ833762.1	1095
10. <i>Mangifera indica</i>	KJ833758.1	1157
11. <i>Mangifera odorata</i>	AB598044.1	725
12. <i>Mangifera indica</i>	LN552225.1	793
13. <i>Mangifera indica</i>	AB598049.1	717
14. <i>Mangifera quadrifida</i>	KX347959.1	655
15. <i>Mangifera indica</i>	AB598050.1	719
16. <i>Mangifera indica</i>	AB598047.1	718
17. <i>Mangifera indica</i>	KJ833759.1	1095
18. <i>Mangifera indica</i>	OL960664.1	826
19. <i>Mangifera indica</i>	KJ833763.1	773
20. <i>Bouea Macrophylla</i>	AY594589.1	829

Lampiran 4. Jarak Genetik

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MF444900.1															
MF444902.1	0,024														
MF444899.1	0,052	0,060													
KJ833761.1	0,029	0,011	0,065												
AB598043.1	1,212	1,211	1,246	1,213											
KJ833764.1	0,021	0,008	0,057	0,011	1,218										
KJ833765.1	0,022	0,002	0,058	0,009	1,217	0,006									
KJ833760.1	0,019	0,003	0,056	0,008	1,205	0,003	0,002								
KJ833762.1	0,030	0,013	0,067	0,021	1,252	0,014	0,011	0,013							
AB598044.1	1,197	1,196	1,242	1,198	0,034	1,203	1,202	1,191	1,230						
KJ833758.1	0,021	0,002	0,057	0,010	1,225	0,006	0,000	0,002	0,011	1,210					
LN552225.1	0,027	0,009	0,067	0,014	1,241	0,014	0,008	0,010	0,019	1,225	0,008				
AB598049.1	0,022	0,002	0,058	0,009	1,217	0,006	0,000	0,002	0,011	1,202	0,000	0,008			
KX347959.1	0,057	0,064	0,047	0,069	1,236	0,060	0,062	0,059	0,071	1,220	0,061	0,071	0,062		
AB598050.1	0,029	0,011	0,065	0,003	1,230	0,011	0,009	0,008	0,021	1,215	0,008	0,014	0,009	0,069	
AB598047.1	0,030	0,013	0,067	0,005	1,241	0,013	0,011	0,010	0,022	1,225	0,009	0,016	0,011	0,070	0,002
KJ833759.1	0,022	0,002	0,059	0,009	1,222	0,006	0,000	0,002	0,011	1,207	0,000	0,008	0,000	0,062	0,009
OL960664.1	0,035	0,019	0,069	0,026	1,219	0,019	0,017	0,016	0,026	1,204	0,018	0,026	0,017	0,073	0,026
KJ833763.1	0,024	0,006	0,061	0,002	1,232	0,006	0,005	0,005	0,014	1,217	0,005	0,010	0,005	0,065	0,000
Mangifera pedicellata	0,064	0,064	0,060	0,069	1,218	0,060	0,062	0,059	0,070	1,203	0,061	0,067	0,062	0,035	0,069
AY594589.1	1,791	1,799	1,817	1,785	2,321	1,801	1,791	1,850	1,815	2,266	1,793	1,785	1, 791	1,858	1,793

Lanjutan jarak genetik

16	17	18	19	20	21
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0,011					
0,027	0,017				
0,002	0,005	0,021			
0,070	0,062	0,074	0,065		
1,777	1,800	1,793	1,787	1,889	