

## DAFTAR PUSTAKA

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# LAMPIRAN

**Lampiran 1.** Dokumentasi alat yang digunakan



Gambar 1. Timbangan analitik



Gambar 2. Mortar



Gambar 3. Mikropipet



Gambar 4. Centrifuge



Gambar 5. Waterbath



Gambar 6. Vortex



Gambar 7. Mesin PCR



Gambar 8. *Microwave*



Gambar 9. Elektroforesis

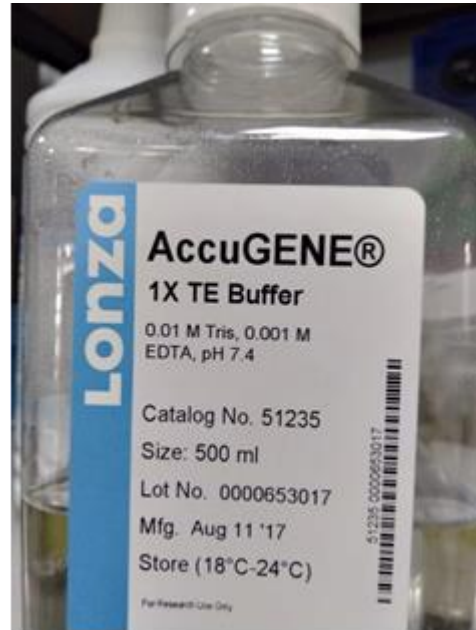


Gambar 10. *UV Transiluminator*

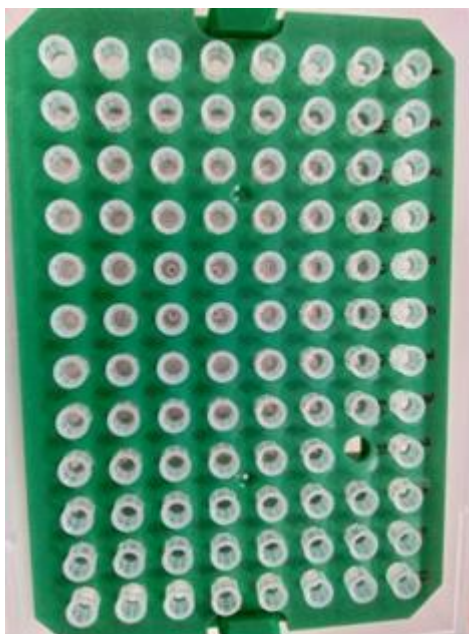
**Lampiran 2.** Dokumentasi bahan yang digunakan



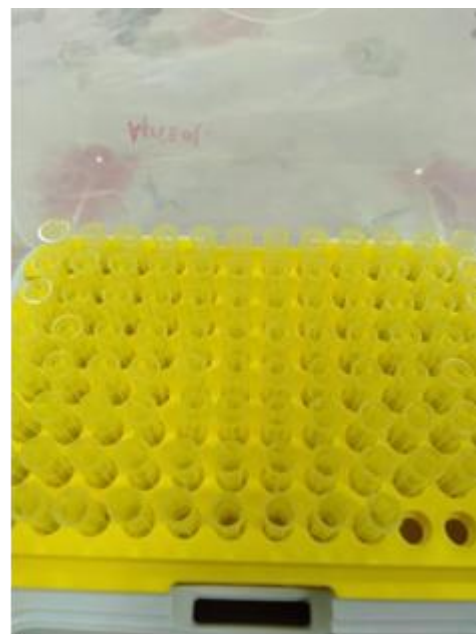
Gambar 1. Larutan Buffer TAE 50x



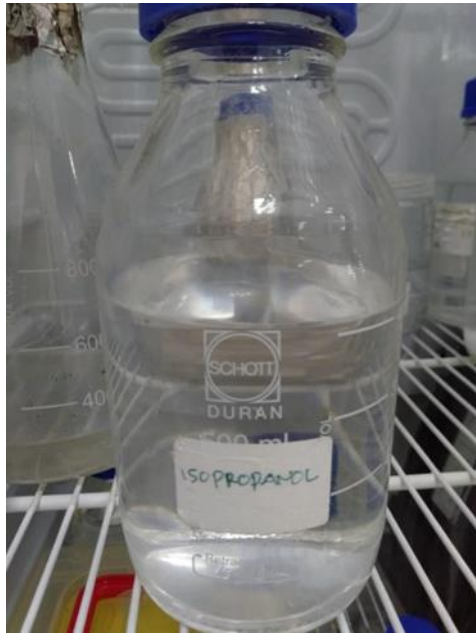
Gambar 2. Larutan Buffer TE 1x



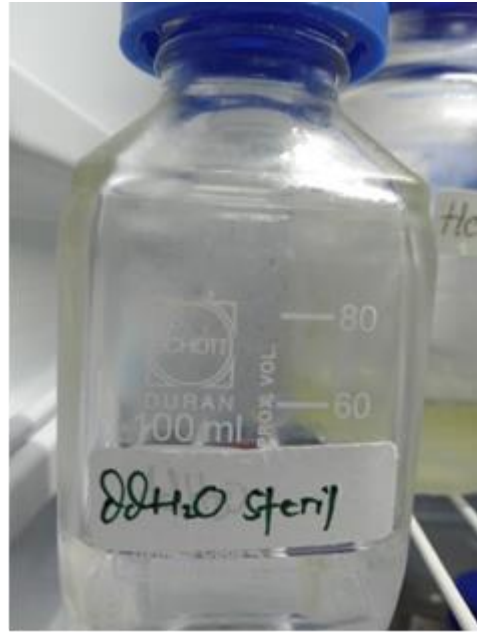
Gambar 3. Tip Putih



Gambar 4. Tip Kuning



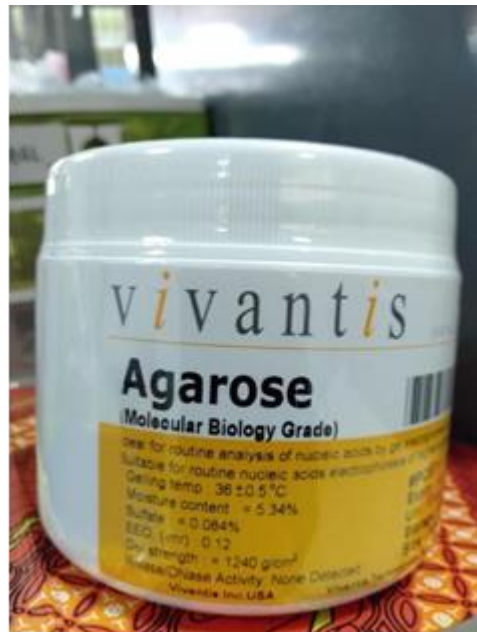
Gambar 5. Larutan Isopropanol



Gambar 6. ddH<sub>2</sub>O Steril



Gambar 7. Larutan Buffer CTAB



Gambar 8. Agarose

**Lampiran 3.** Dokumentasi proses penelitian di Laboratorium Bioteknologi dan Pemuliaan Pohon



Gambar 1. Proses isolasi DNA sampel daun cendana



Gambar 2. Proses pencampuran larutan DNA sampel dan primer



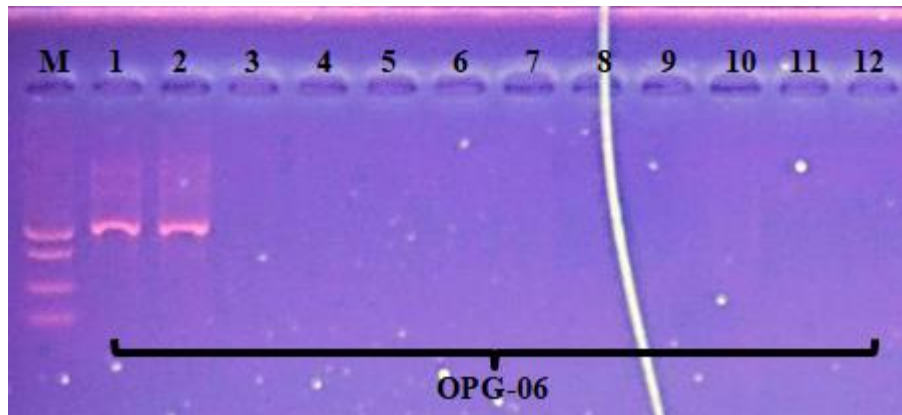
Gambar 3. Proses PCR



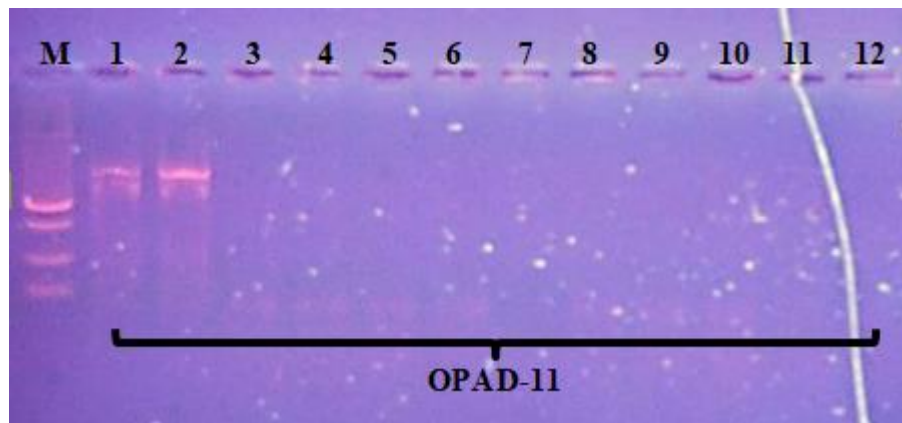
Gambar 4. Proses elektroforesis



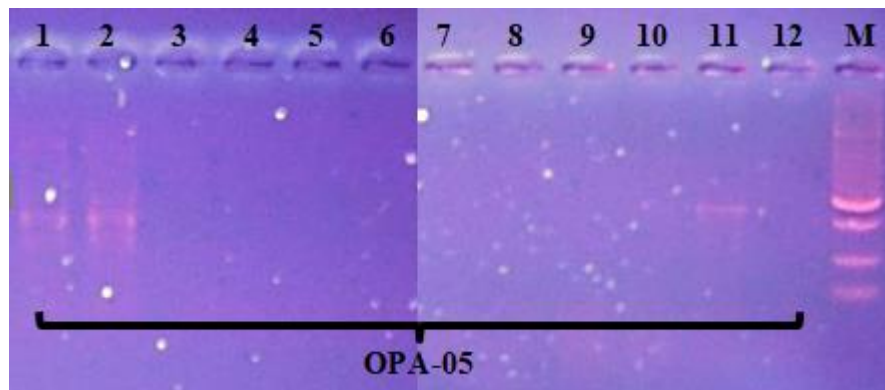
**Lampiran 4.** Hasil elektroforesis keseluruhan primer RAPD



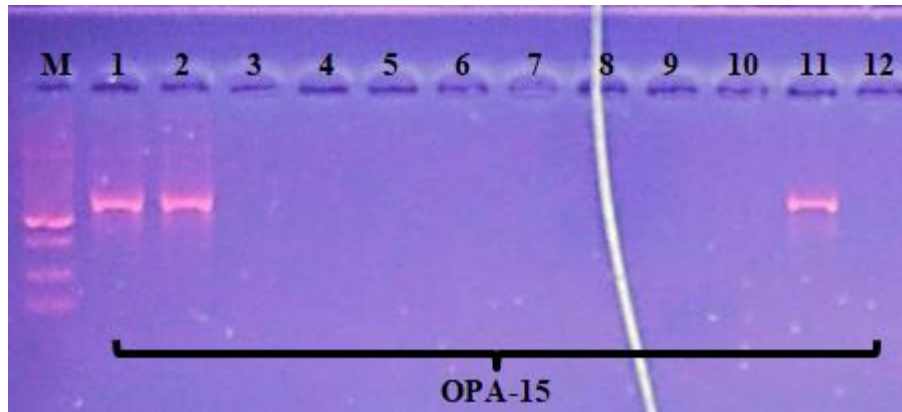
Elektroforegram hasil amplifikasi PCR primer OPG-06



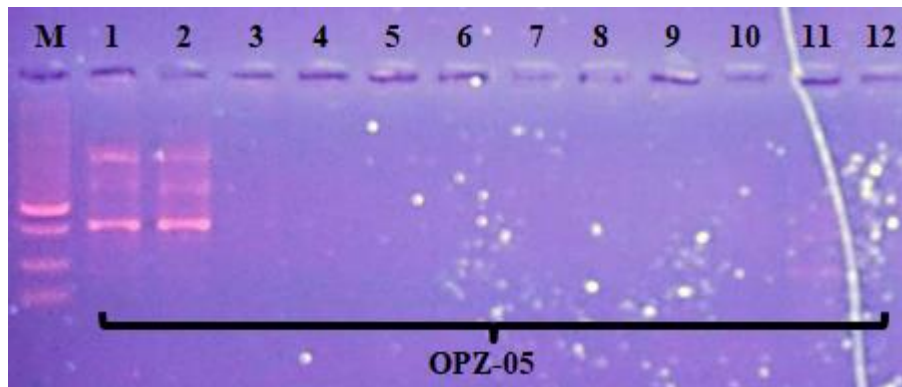
Elektroforegram hasil amplifikasi PCR primer OPAD-11



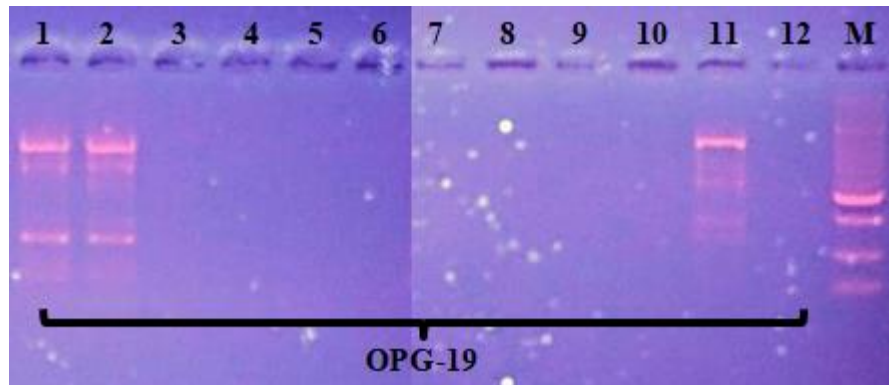
Elektroforegram hasil amplifikasi PCR primer OPA-05



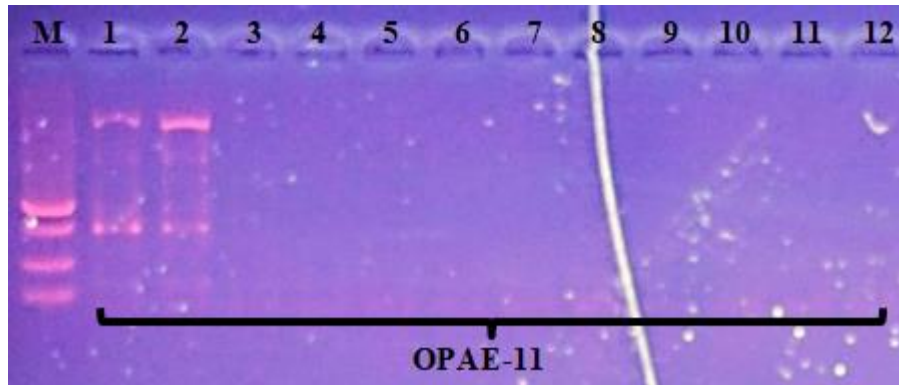
Elektroforegram hasil amplifikasi PCR primer OPA-15



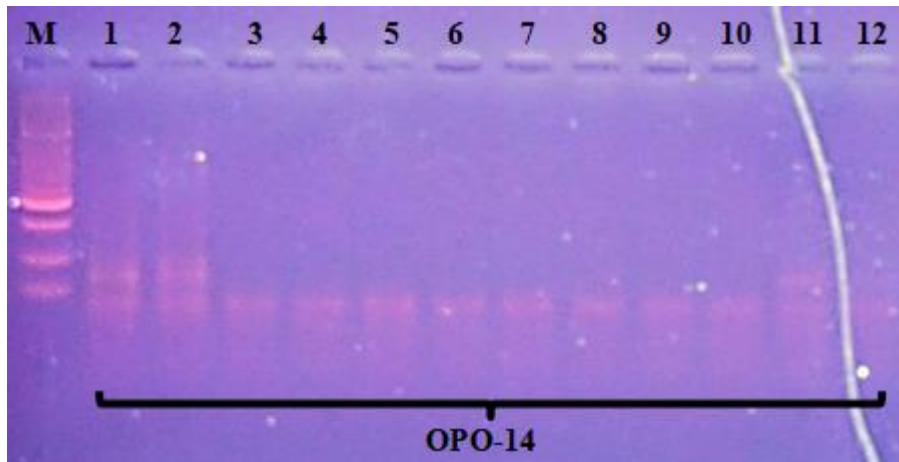
Elektroforegram hasil amplifikasi PCR primer OPZ-05



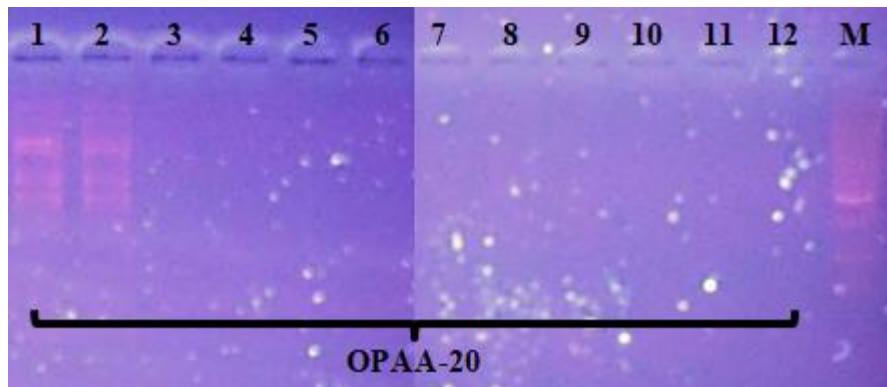
Elektroforegram hasil amplifikasi PCR primer OPG-19



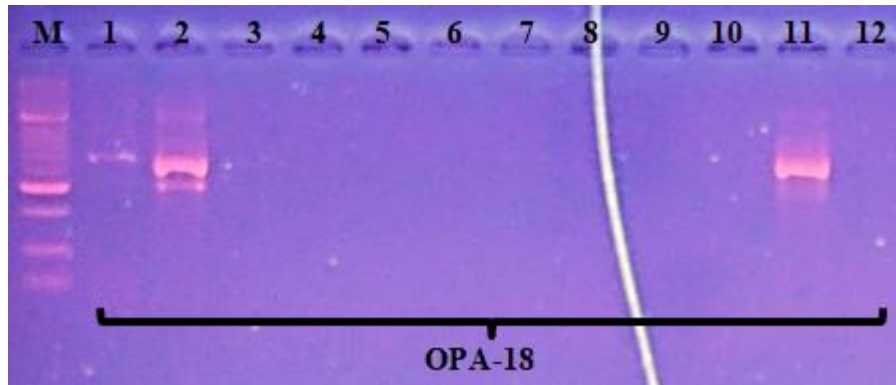
Elektroforegram hasil amplifikasi PCR primer OPAE-11



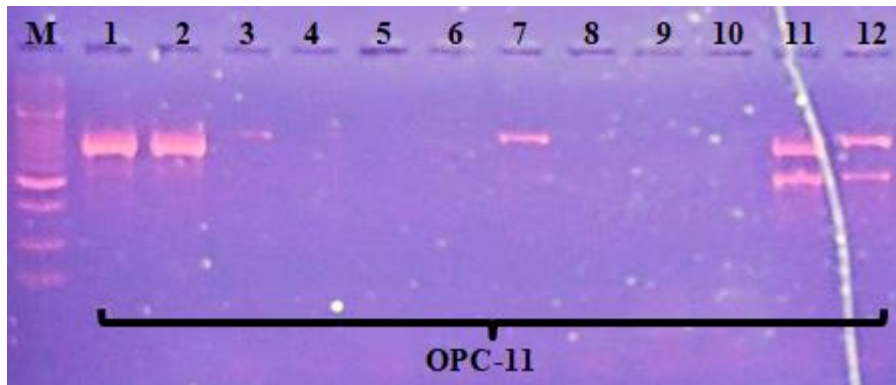
Elektroforegram hasil amplifikasi PCR primer OPO-14



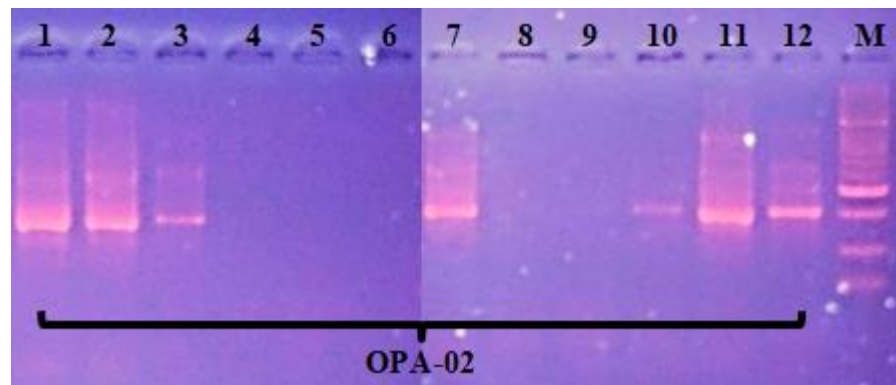
Elektroforegram hasil amplifikasi PCR primer OPAA-20



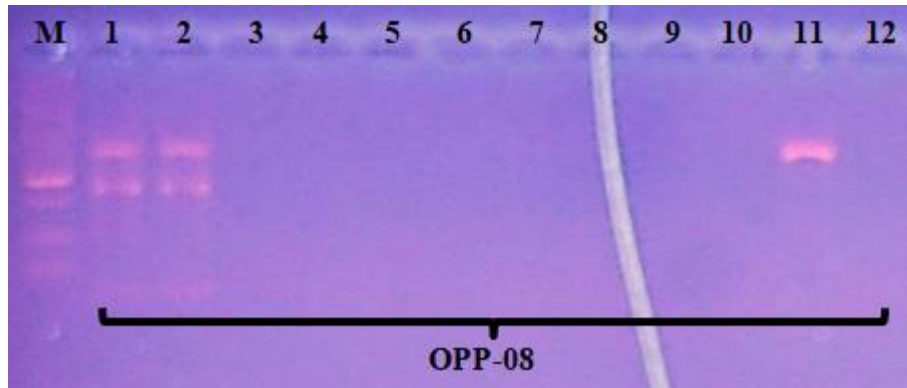
Elektroforegram hasil amplifikasi PCR primer OPA-18



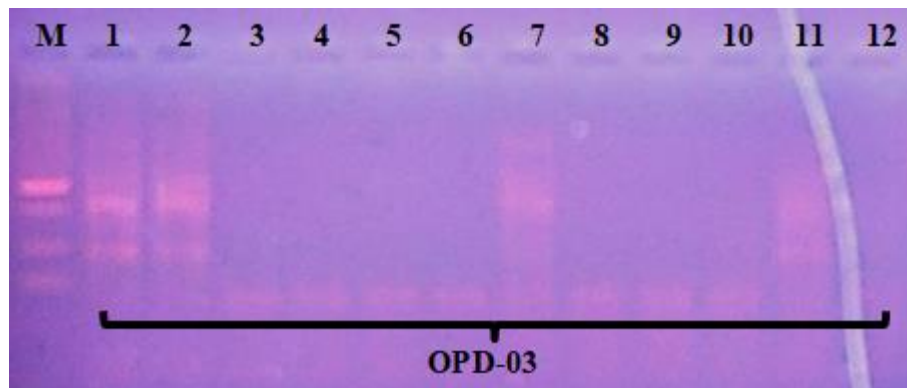
Elektroforegram hasil amplifikasi PCR primer OPC-11



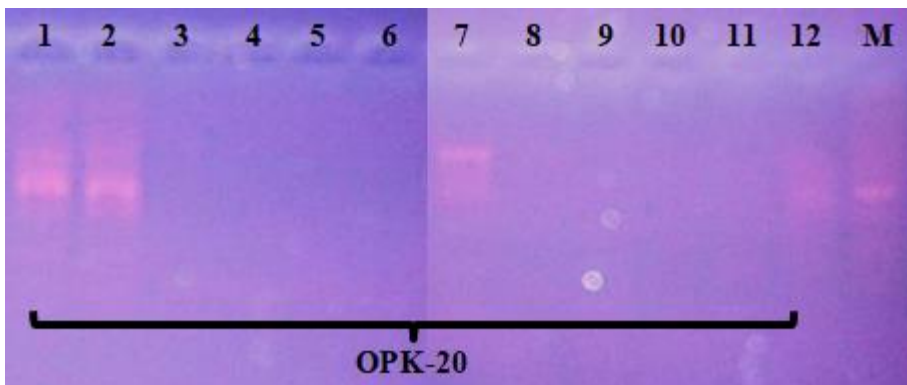
Elektroforegram hasil amplifikasi PCR primer OPA-02



Elektroforegram hasil amplifikasi PCR primer OPP-08



Elektroforegram hasil amplifikasi PCR primer OPD-03



Elektroforegram hasil amplifikasi PCR primer OPK-20

**Lampiran 5.** Annealing temperatur DNA tanaman cendana saat di PCR

Primer	1	2	3	4	5	6	7	8	9	10	11	12
OPG-06	26,8	27,3	28,1	29,0	30,1	31,2	32,4	33,5	34,6	35,5	36,3	36,8
OPAD-11	27,1	27,6	28,4	29,3	30,4	31,5	32,7	33,8	34,9	35,8	36,6	37,1
OPA-05	27,6	28,1	28,9	29,8	30,9	32,0	33,2	34,3	35,4	36,3	37,1	37,6
OPA-15	29,2	29,7	30,5	31,4	32,5	33,6	34,8	35,9	37,0	37,9	38,7	39,2
OPZ-05	29,3	29,8	30,6	31,5	32,6	33,7	34,9	36,0	37,1	38,0	38,8	39,3
OPG-19	29,7	30,2	31,0	31,9	33,0	34,1	35,3	36,4	37,5	38,4	39,3	39,7
OPAE-11	30,5	31,0	31,8	32,7	33,8	34,9	36,1	37,2	38,3	39,2	40,0	40,5
OPO-14	30,1	30,6	31,4	32,3	33,4	34,5	35,7	36,8	37,9	38,8	39,6	40,1
OPAA-20	30,6	31,1	31,4	32,8	33,4	35,0	36,2	37,3	38,4	39,3	40,1	40,6
OPA-18	31,2	31,7	32,5	33,4	34,5	35,6	36,8	37,9	39,0	39,9	40,3	41,2
OPC-11	31,9	32,4	33,2	34,1	35,2	36,3	37,5	38,6	39,7	40,6	41,4	41,9
OPA-02	35,7	36,2	37,0	37,9	39,0	40,1	41,3	42,4	43,5	44,4	45,2	45,7
OPP-08	32,6	33,1	33,9	34,8	35,9	37,0	38,2	39,3	40,4	41,3	42,1	42,6
OPD-03	35,7	36,2	37,0	37,9	39,0	40,1	41,3	42,4	43,5	44,4	45,2	45,7
OPK-20	33,5	34,0	34,8	35,7	36,8	37,9	39,1	40,2	41,3	42,2	43,0	43,5