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## LAMPIRAN

**Lampiran 1. Komposisi Nukleotida Kambing Kacang dan Kambing Marica di Kabupaten Maros dan Jeneponto**

| Domain: Data                            | T(U) | C    | A    | G    | Total | T-1 | C-1  | A-1  | G-1  | Pos #1 | T-2 | C-2  | A-2  | G-2  |
|---|------|------|------|------|-------|-----|------|------|------|--------|-----|------|------|------|
| K102 KAMBING KACANG JANTAN JENEPONTO    | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| K103 KAMBING KACANG JANTAN JENEPONTO    | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| K107 KAMBING KACANG JANTAN JENEPONTO    | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| K108 KAMBING KACANG JANTAN MAROS        | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| K112 KAMBING KACANG JANTAN MAROS        | 26.7 | 25.4 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.7 | 35.2 | 9.5  |
| K114 KAMBING KACANG JANTAN MAROS        | 26.7 | 25.4 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.7 | 35.2 | 9.5  |
| K2 KAMBING KACANG BETINA MAROS          | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| K7 KAMBING KACANG BETINA MAROS          | 26.8 | 25.3 | 38.7 | 9.2  | 530.0 | 26  | 24.3 | 38.7 | 11.0 | 173.0  | 30  | 25.3 | 35.4 | 9.6  |
| K22 KAMBING KACANG BETINA MAROS         | 26.7 | 25.4 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.7 | 35.2 | 9.5  |
| K44 KAMBING KACANG BETINA MAROS         | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| M8 KAMBING MARICA JANTAN MAROS          | 26.7 | 25.2 | 35.3 | 12.8 | 532.0 | 25  | 24.7 | 33.9 | 16.1 | 174.0  | 30  | 25.1 | 33.0 | 11.7 |
| M15 KAMBING MARICA JANTAN MAROS         | 27.1 | 25.4 | 38.0 | 9.5  | 527.0 | 26  | 25.0 | 37.2 | 11.6 | 172.0  | 30  | 25.1 | 35.2 | 9.5  |
| M16 KAMBING MARICA JANTAN MAROS         | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| M97 KAMBING MARICA JANTAN JENEPONTO     | 26.9 | 25.4 | 38.5 | 9.2  | 532.0 | 26  | 24.7 | 38.5 | 10.9 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| M99 KAMBING MARICA JANTAN JENEPONTO     | 26.9 | 25.2 | 38.6 | 9.2  | 531.0 | 26  | 24.3 | 38.7 | 11.0 | 173.0  | 30  | 25.7 | 35.2 | 9.5  |
| M91 KAMBING MARICA JANTAN JENEPONTO     | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| M36 KAMBING MARICA BETINA MAROS         | 26.7 | 25.4 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.7 | 35.2 | 9.5  |
| M41 KAMBING MARICA BETINA MAROS         | 26.9 | 25.0 | 38.7 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 24.6 | 35.8 | 9.5  |
| M63 KAMBING MARICA BETINA JENEPONTO     | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| M64 KAMBING MARICA BETINA JENEPONTO     | 26.9 | 25.2 | 38.5 | 9.4  | 532.0 | 26  | 24.1 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| M68 KAMBING MARICA BETINA JENEPONTO     | 27.1 | 25.0 | 38.5 | 9.4  | 532.0 | 26  | 23.6 | 38.5 | 11.5 | 174.0  | 30  | 25.1 | 35.2 | 9.5  |
| CAPRA FALCONERI (AB044306)              | 28.2 | 23.9 | 37.2 | 10.7 | 532.0 | 29  | 20.7 | 35.1 | 15.5 | 174.0  | 31  | 24.0 | 37.4 | 7.3  |
| CAPRA AEGAGRUS (AB004076)               | 27.4 | 24.6 | 38.2 | 9.8  | 532.0 | 27  | 23.0 | 37.4 | 12.6 | 174.0  | 31  | 24.6 | 35.2 | 9.5  |
| CAPRA ALPINE (KM260501)                 | 29.8 | 24.2 | 30.0 | 15.9 | 516.0 | 31  | 20.2 | 33.5 | 15.0 | 173.0  | 27  | 29.7 | 25.6 | 18.0 |
| CAPRA HIRCUS COMPLETE GENOME (AB004082) | 27.6 | 24.4 | 38.0 | 10.0 | 532.0 | 27  | 23.0 | 37.4 | 12.6 | 174.0  | 31  | 24.6 | 34.6 | 10.1 |
| CAPRA PYRENAICA (AM279276)              | 26.1 | 25.5 | 38.5 | 9.9  | 533.0 | 24  | 25.3 | 37.4 | 13.2 | 174.0  | 29  | 26.3 | 35.2 | 9.5  |
| CAPRA SAANEN (KM260537)                 | 30.4 | 23.6 | 30.0 | 15.9 | 516.0 | 32  | 19.7 | 33.5 | 15.0 | 173.0  | 28  | 27.9 | 25.6 | 18.0 |
| CAPRA HIRCUS HAPLOTYPE (KJ420464)       | 27.6 | 24.4 | 38.5 | 9.4  | 532.0 | 27  | 23.0 | 37.9 | 12.1 | 174.0  | 31  | 24.6 | 35.2 | 9.5  |
| Avg.                                    | 27.2 | 25.0 | 37.7 | 10.1 | 530.6 | 26  | 23.7 | 37.7 | 12.2 | 173.8  | 30  | 25.4 | 34.5 | 10.1 |

**Lampiran 2. Jarak Genetik Kambing Marica dan Kambing Kacang di Kabupaten Maros dan Jeneponto**

|   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| K102_KAMBING_KACANG_JANTAN_JENEPONTO    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| K103_KAMBING_KACANG_JANTAN_JENEPONTO    | 0.000 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| K107_KAMBING_KACANG_JANTAN_JENEPONTO    | 0.000 | 0.000 |       |       |       |       |       |       |       |       |       |       |       |       |
| K108_KAMBING_KACANG_JANTAN_MAROS        | 0.000 | 0.000 | 0.000 |       |       |       |       |       |       |       |       |       |       |       |
| K112_KAMBING_KACANG_JANTAN_MAROS        | 0.002 | 0.002 | 0.002 | 0.002 |       |       |       |       |       |       |       |       |       |       |
| K114_KAMBING_KACANG_JANTAN_MAROS        | 0.002 | 0.002 | 0.002 | 0.002 | 0.000 |       |       |       |       |       |       |       |       |       |
| K2_KAMBING_KACANG_BETINA_MAROS          | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 |       |       |       |       |       |       |       |       |
| K7_KAMBING_KACANG_BETINA_MAROS          | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 |       |       |       |       |       |       |       |
| K22_KAMBING_KACANG_BETINA_MAROS         | 0.002 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.002 |       |       |       |       |       |       |
| K44_KAMBING_KACANG_BETINA_MAROS         | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 |       |       |       |       |       |
| M8_KAMBING_MARICA_JANTAN_MAROS          | 0.038 | 0.038 | 0.038 | 0.038 | 0.040 | 0.040 | 0.038 | 0.038 | 0.040 | 0.038 |       |       |       |       |
| M15_KAMBING_MARICA_JANTAN_MAROS         | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 | 0.002 | 0.002 | 0.004 | 0.002 | 0.036 |       |       |       |
| M16_KAMBING_MARICA_JANTAN_MAROS         | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.038 | 0.002 |       |       |
| M97_KAMBING_MARICA_JANTAN_JENEPONTO     | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.038 | 0.002 | 0.000 |       |
| M99_KAMBING_MARICA_JANTAN_JENEPONTO     | 0.004 | 0.004 | 0.004 | 0.004 | 0.002 | 0.002 | 0.004 | 0.004 | 0.002 | 0.004 | 0.042 | 0.006 | 0.004 | 0.004 |
| M91_KAMBING_MARICA_JANTAN_JENEPONTO     | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.038 | 0.002 | 0.000 | 0.000 |
| M36_KAMBING_MARICA_BETINA_MAROS         | 0.002 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.002 | 0.040 | 0.004 | 0.002 | 0.002 |
| M41_KAMBING_MARICA_BETINA_MAROS         | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 | 0.002 | 0.002 | 0.004 | 0.002 | 0.040 | 0.004 | 0.002 | 0.002 |
| M63_KAMBING_MARICA_BETINA_JENEPONTO     | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.038 | 0.002 | 0.000 | 0.000 |
| M64_KAMBING_MARICA_BETINA_JENEPONTO     | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.038 | 0.002 | 0.000 | 0.000 |
| M68_KAMBING_MARICA_BETINA_JENEPONTO     | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 | 0.002 | 0.002 | 0.004 | 0.002 | 0.040 | 0.004 | 0.002 | 0.002 |
| CAPRA_FALCONERI_(AB044306)              | 0.110 | 0.110 | 0.110 | 0.110 | 0.113 | 0.113 | 0.110 | 0.110 | 0.113 | 0.110 | 0.145 | 0.113 | 0.110 | 0.110 |
| CAPRA_AEGAGRUS_(AB004076)               | 0.027 | 0.027 | 0.027 | 0.027 | 0.029 | 0.029 | 0.027 | 0.027 | 0.029 | 0.027 | 0.067 | 0.029 | 0.027 | 0.027 |
| CAPRA_ALPINE_(KM260501)                 | 1.051 | 1.051 | 1.051 | 1.051 | 1.062 | 1.062 | 1.051 | 1.051 | 1.062 | 1.051 | 1.127 | 1.062 | 1.051 | 1.051 |
| CAPRA_HIRCUS_COMPLETE_GENOME_(AB004082) | 0.032 | 0.032 | 0.032 | 0.032 | 0.034 | 0.034 | 0.032 | 0.032 | 0.034 | 0.032 | 0.072 | 0.034 | 0.032 | 0.032 |
| CAPRA_PYRENAICA_(AM279276)              | 0.155 | 0.155 | 0.155 | 0.155 | 0.152 | 0.152 | 0.155 | 0.155 | 0.152 | 0.155 | 0.190 | 0.158 | 0.155 | 0.155 |
| CAPRA_SAAEN_(KM260537)                  | 1.009 | 1.009 | 1.009 | 1.009 | 1.019 | 1.019 | 1.009 | 1.009 | 1.019 | 1.009 | 1.078 | 1.019 | 1.009 | 1.009 |
| CAPRA_HIRCUS_HAPLOTYPE_(KJ420464)       | 0.025 | 0.025 | 0.025 | 0.025 | 0.027 | 0.027 | 0.025 | 0.025 | 0.027 | 0.025 | 0.065 | 0.027 | 0.025 | 0.025 |

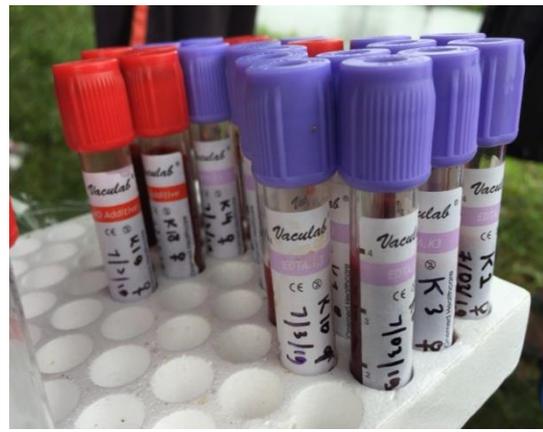
### Lampiran 3. Dokumentasi



Identifikasi bangsa kambing



Pencatatan hasil identifikasi



Pengambilan sampel darah



Penyimpanan sampel darah



Proses pengerjaan sampel di Laboratorium

## BIODATA PENELITI



**Fajriani Mutmainnah Makmur** lahir di Ujung Pandang, 1 Januari 1997. Penulis merupakan anak pertama dari dua bersaudara dari pasangan Bapak (Alm) Makmur Lateng, SP dan Ibu Ir. Hermaya Rukka, M.Si. Pendidikan penulis berawal dari Sekolah Dasar di SDN Kompleks IKIP Makassar dan lulus tahun 2009, lalu melanjutkan pendidikan pada Sekolah Menengah Pertama di SMPN 33 Makassar dan lulus tahun 2012. Kemudian penulis melanjutkan pendidikan di Sekolah Menengah Atas di SMAN 17 Makasar dan lulus tahun 2015. Pada tahun 2015 penulis memasuki jenjang pendidikan di Fakultas Peternakan Universitas Hasanuddin dengan lulus pada jalur Seleksi Bersama Masuk Perguruan Tinggi Negeri (SBMPTN). Selama menjadi mahasiswi penulis mendapatkan penghargaan yaitu Finalis 10 besar LKTI Pena FOSIL pada tahun 2015, Finalis Hibah Penelitian Program *Tanoto Student Research Award* (TSRA) pada tahun 2017 dan salah satu penulis dari Buku “Kami Peternakan Kami Bangga, Kisah Inspiratif Mahasiswa Peternakan Unhas Berprestasi” yang telah diterbitkan pada tahun 2019. Selain itu, penulis dipercaya untuk menjadi Asisten Laboratorium pada mata kuliah Mikrobiologi Hewan dan Ilmu Kesehatan Ternak Fakultas Peternakan Universitas Hasanuddin dan Mentor BALANCE tahun 2018-2019. Penulis aktif berorganisasi sebagai anggota di UKM Keilmuan dan Penalaran Ilmiah (KPI) Unhas, UKM Forum Studi Ilmiah (FOSIL) dengan jabatan Koordinator Media dan Informasi periode (2016-2017), dan Himpunan Mahasiwa Produksi Ternak (HIMAPROTEK) dengan jabatan Wakil Sekretaris periode

(2017-2018) serta penulis juga aktif dalam kegiatan pengabdian masyarakat pada tahun 2019 sebagai volunteer dalam program Saudara Satu Negara di Malaysia, Singapur dan Thailand.