**Supplementary Table S2** Characteristics of studies included in the meta-analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Authors**  | **Country** | **Continent**  | **RD (day)** | **Covariates**  | **Response variables** |
| **Cassava products** | **Inclusion (%)** | **Strain**  | **Processing methods** | **NPR** |
| Osei and Duodu (1988) | Ghana | Africa | 1-42 | WFCPM | 0 - 15 | Cobb  | WF + Drying | 20 | FI, ADG, FCR |
| Midau et al. (2011) | Nigeria | Africa | 1-56 | CPM + ES | 0 - 48 | Anak  | Drying + ES | 8 | FI, ADG, FCR |
| Aro et al. (2012) | Nigeria | Africa | 1-56 | SSFCPM | 0 - 60 | Ross | SSF + Drying | 10 | FI, ADG, FCR |
| Hassan et al.(2012) | Nigeria | Africa | 1-56 | CRM | 0 - 57.85 | Marshal | Drying  | 6 | FI, ADG, FCR |
| Babatunde (2013) | Fiji | Oceania | 1-46 | CRWM | 0 - 30 | Cobb | Drying  | 10 | FI, ADG, FCR |
| Abu et al. (2015) | Nigeria | Africa | 1-49 | CPM + CLM | 0 - 20 | Arbor acres | Drying | 15 | FI, ADG, FCR |
| Diarra et al.(2015) | Samoa | Oceania | 1-42 | CRM + ES | 0 - 34.03 | Cobb | Drying + ES | 4 | FI, ADG, FCR |
| Bhuiyan and Iji (2015) | Australia | Oceania | 1-21 | CRM + ES | 0 - 51 | Cobb | Drying + ES | 10 | FI, ADG, FCR |
| Ojewola et al. (2016) | Nigeria | Africa | 1-56 | WFCRM | 0 - 58.6 | Anak | WF + Drying | 10 | FI, ADG, FCR |
| Ghomsi et al.(2017) | Cameroon | Africa | 1-46 | CPM | 0 - 4 | Arbor acres | Drying  | 12 | FI, ADG, FCR |
| Ogundu et al.(2017) | Nigeria | Africa | 1-56 | CRM | 0 - 39.93 | Anak  | Drying  | 8 | FI, ADG, FCR |
| Zanu et al. (2017) | Ghana | Africa | 1-42 | CRM | 0 - 58 | Cobb | Drying  | 15 | FI, ADG, FCR |
| Chukwukaelo et al.(2018) | Nigeria | Africa | 1-56 | SSFCRM | 0 - 31 | - | SSF + Drying  | 10 | FI, ADG, FCR |
| Ehebha and Eguaoje (2018) | Nigeria | Africa | 1-56 | CPM | 0 - 30 | Anak | Drying  | 10 | FI, ADG, FCR |
| Ewa et al. (2019) | Nigeria | Africa | 1-49 | CRSM | 0 - 20 | Anak  | Drying  | 10 | FI, ADG, FCR |
| Tamburawa et al. (2019) | Nigeria | Africa | 1-56 | CRM | 0 - 36.05 | Marshal | Drying  | 6 | FI, ADG, FCR |
| Yadav et al.(2019) | USA | NA | 1-42 | CRM | 0 - 50 | Cobb | Drying | 6 | FI, ADG, FCR |
| Nsa et al. (2019) | Nigeria | Africa | 1-42 | CRM | 0 - 60 | Amos  | Drying  | 16 | FI, ADG, FCR |
| Oyewole et al.(2020) | Nigeria | Africa | 1-56 | CRM  | 0 - 31.52 | - | Drying | - | FI, ADG, FCR |
| Chang et al.(2020) | Australia | Oceania | 1-35 | CRM + ES | 0 - 44.57 | Ross | Drying + ES | 10 | FI, ADG, FCR |
| Elnour et al.(2020) | Sudan | Africa | 1-35 | CRM | 0 - 40 | Ross | Drying  | 10 | FI, ADG, FCR |
| Olowoyeye (2022) | Nigeria | Africa | 1-42 | CPM + CLM | 0 - 29.12 | Marshal | Drying | 10 | FI, ADG, FCR |
| Adekeye et al. (2021) | Nigeria | Africa | 1-42 | CPM | 0 - 30 | Arbor acres | Drying  | 16 | FI, ADG, FCR |

*NA* North America*, RD* rearing durations*, CRM* cassava root meal, *ES* enzyme supplementation, *CPM* cassava peel meal, *CLM* cassava leaf meal, *WFCPM* wet fermented cassava peel meal, *WFCRM* wet fermented cassava root meal, *SSFCRM* solid state fermented cassava root meal, *SSFCPM* solid state fermented cassava peel meal, *CRSM* cassava root sievate meal, *CRWM* cassava root waste meal, *NPR* number per replicate, *FI* feed intake, *ADG* average daily gain, *FCR* feed conversion ratio,

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