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Supplementary Materials

Investigating the Processing Potential of Ethiopian Agricultural Residue Enset/*Ensete ventricosum* for Biobutanol Production

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Table S1. Monomeric sugars and degradation products in liquid hydrolysate Enset biomass parts after pretreated with different methods (**a**) alkali pretreatment (2% (*w*/*v*) NaOH); (**b**) acid pretreatment (2% (*v*/*v*) H_2SO_4).

(a) alkali pretreatment (2% (*w*/*v*) NaOH)				
Analysis % (*w*/*w*)	**Leaf sheath peel**	**Enset fiber**	**Midrib**	**Mixed Enset waste**
Cellobiose	0.04 ± 0.01	0	0.03 ± 0.00	0.07 ± 0.00
Glucose	0.83 ± 0.04	0.36 ± 0.03	1.44 ± 0.12	0.37 ± 0.01
Arabinose	0	0	0.05 ± 0.00	0
Other sugar (xylose, mannose, and galactose)	0.28 ± 0.02	0.17 ± 0.01	0.45 ± 0.06	0.28 ± 0.01
Formic acid	0.84 ± 0.16	0.59 ± 0.00	1.38 ± 0.04	1.03 ± 0.14
Acetic acid	5.41 ± 0.38	7.82 ± 0.01	11.01 ± 0.56	11.47 ± 0.50
(b) acid pretreatment (2% (*v*/*v*) H_2SO_4)				
Analysis % (*w*/*w*)	**Leaf sheath peel**	**Enset fiber**	**Midrib**	**Mixed Enset waste**
Cellobiose	0.88 ± 0.77	2.09 ± 0.02	1.28 ± 0.02	1.32 ± 0.03
Glucose	10.46 ± 1.27	2.33 ± 0.13	4.71 ± 0.12	7.82 ± 0.20
Arabinose	1.07 ± 0.20	0.38 ± 0.03	3.66 ± 0.09	2.58 ± 0.05
Other sugar (xylose, mannose, and galactose)	7.37 ± 0.39	9.38 ± 0.04	9.33 ± 0.17	7.15 ± 0.12
Formic acid	0	0	0.38 ± 0.05	0.27 ± 0.02
Acetic acid	4.46 ± 0.54	5.95 ± 0.09	7.72 ± 0.87	8.25 ± 0.27