**Chemical Studies on "Bukuryo", Sclerotia of
Pachyma Hoelen RUMPH. (VI).**

Hydrolytic Oxidation Products of β -Pachyman by
Conc. Sulphuric Acid and Conc. Nitric Acid.

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β -Pachyman was treated with a mixture of conc. H_2SO_4 , conc. HNO_3 and water at low temperature, which produced no nitro pachyman when the mixing rate of acids and water attained a certain limit as follows, for each 2 g β -pachyman:

H_2O	H_2SO_4 (1.840) (g)	Fum. HNO_3 (1.52) (g)	Temp	Time (hr)	Yield of nitrate (g)
6.3	12.9	14.1	17~19°	24	0
7.5	12.4	13.4	"	"	0
8.4	11.9	12.9	"	"	0
9.5	11.4	12.3	"	"	0
8.4	11.9	12.9	10~12°	"	0.0181

On the contrary, it seems highly probable that oxygluconic acid and glucuronic acid were found to be in these aqueous solutions, as oxydised compounds produced by the complex hydrolytic oxidation, in addition to glucose. They could not have been purely isolated, but two portions separated showed satisfactory positive results enough to identify the presence of the above two compounds.