Claims

1. A method of producing an amino acid containing glycosylation composition derived from rice wherein it comprises:

a step of compressing and kneading rice powder or rice grains within a cylinder by using an extruder to break an α - 1,4 bond in starch mechanically, and,

a step of breaking the α - 1,4 bond in starch and/or an α-1,6 bond in starch by adding an enzyme into the cylinder, and wherein the extruder is a tandem type of extruder with a three-stage comprising an upper cylinder, a middle cylinder and a lower cylinder, and a temperature of the upper cylinder is from 100 to 150 ^{o}C, and a temperature of the middle cylinder is from 80 to 100 ^{o}C, a temperature of the lower cylinder is from 40 to 60 ^{o}C .

2. A method of producing an amino acid containing glycosylation composition derived from rice according to claim 1, wherein it further comprises:

a step of adding water to the rice powder or rice grains as preparation.

3. A method of producing an amino acid containing glycosylation composition derived from rice according to claims 1 or 2, wherein the enzyme is a diastatic enzyme or a proteolytic enzyme.

4. A method of producing an amino acid containing glycosylation composition derived from rice according to claim 3, wherein the diastatic enzyme is at least one selected from β – amylase, glucoamylase, or a transglucosidase.

5. A method of producing an amino acid containing glycosylation composition derived from rice according to claim 3, wherein the proteolytic enzyme is a protease.

~~6. A method of producing an amino acid containing glycosylation composition derived from rice according to any one of claims 1 to 5, wherein the extruder is a tandem type of extruder.~~

~~7.~~6. A method of producing an amino acid containing glycosylation composition derived from rice according to any one of claims 1 to ~~6~~5, wherein the tandem type of extruder is a three-stage comprising an upper cylinder, a middle cylinder and a lower cylinder, and a temperature of the cylinder drops down according to from the upper cylinder to the lower cylinder,

~~8.~~7. An amino acid containing glycosylation composition obtained by the method according to any one of claims 1 to ~~7~~6.

~~9.~~8. An amino acid containing glycosylation composition derived from rice comprising a sugar made by a monosaccharide, a disaccharide, a trisaccharide and tetrasaccharide or more, and an amino acid, wherein a total amount of a monosaccharide or a disaccharide of the amino acid containing glycosylation composition is more than a total amount of a trisaccharide or tetrasaccharide or more.