Title: RESIDUES CENTESIMAL COMPOSITION PRODUCED IN MANAUS-AM-BRAZIL CITY'S OPEN FAIR: POTENTIAL OF SUCH RESEARCH AS SUBSTRATES FOR THE CULTURE *Pleurotus ostreatus*.

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Between the problems of humanity in the next 50 years are included: the foods. In the context, the microorganisms shows yourselves like alternative for obtain the nutrients. The fungi Basidiomycota (mushrooms) is being used by humans for this purpose. We found in this filo the *Pleurotos ostreatus* that is the third mushroom commercially more produced in the world and it's being cultivated with waste agricultural or, even, domestics. The mushroom's cultivation in those residues, may be one way to change those same waste of not edible to biomass edible of high value in mart. The residues generated at the Manaus'fairs have potential for be used like substratum for cultivation of *P. ostreatus.* Knowing there is a few informations about this residues it's necessary a work that determine your composition centesimal. The objective of this study was investigate the centesimal composition of residues producted at the manaus-am-brazil city's open fair. It was determined for this moisture by the method kiln-drying, ashes (inorganics substances) by incineration at the muffle, protein by the method Kjeldahl's, lipides by the method Soxhlet's and carbohydrates by the diference in other analyzes, of the residues of tucuma's peel (*Astrocaryum aculeatum*), of cupuacu's peel (*Theobroma grandiflorum*), of the peach palm's peel (*Bactris gasipaes*), and of peel of the root of the cassava (*Manihot esculenta*), according the recomendations of Association of Official Analytical Chemists. For cupuacu's peel the centesimal composition was 34,04% of moisture, 0,67% of lipids, 2,21% of ashes, 4,73% of protein and 58,33% of carbohydrates. The cassava's peel showed 29,08% of moisture, 0,50% of lipids, 10,91% of ashes, 6,32% of protein and 52,45% of carbohydrates. The peach palm's peel showed 37,23% of moisture, 37,82% of lipids, 2,50% of ashes, 8,40% of protein and 14,05% of carbohydrates. The tucuma's peel showed 42,08% of moisture, 22,62% of lipids, 4,87% of ashes, 9,83% of protein and 19,88% of carbohydrates. The peach palm's peel stood out in front the others residues used in the cultivation of the fungi *Pleurotus ostreatus*, showing growing up of 2,2%, having composition adequate to cultivation.

Key word: Centesimal Composition, Residues, Amazon.

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