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**ABSTRACT**

Yeast (*Saccharomyces cerevisiae*) is an important protein source which can be grown in various media. Among the various media, the molasses media is suitable for yeast production. In molasses media the production of yeast is comparatively high and the crude protein percent is also high in the same media. This study was conducted to know the production percentage and crude protein percent of yeast in molasses media. For this reason various concentration of molasses (10%, 15%, 20%, 25%, 30%) were used in different media and the other condition was constant. In each and every media pure yeast (*Saccharomyces cerevisiae*) culture was added as inoculums. Molasses was used as a source of fermentable carbohydrate and small amount of urea was used as nitrogen source. Equal volume of water (1000 ml) was used in each media. Production was highest in third day. It was found that the production of yeast was highest (10.06%) in 25 percent molasses containing media and it was comparatively highest percentage of yield among others( 10%, 15%, 20%, 30% molasses containing media). The crude protein percent was also high (44%) in 25% molasses containing media. In 10% molasses containing media production of yeast was 9.05%. In 10% molasses containing media production of yeast was 9.05%. In 15% molasses containing media production of yeast was 9.77%. In 20% molasses containing media production of yeast was 7.75%. In 30% molasses containing media production of yeast was 8.70%. It indicates that 25% molasses containing media is suitable for the highest production of yeast.

**Key words:** Yeast (*Saccharomyces cerevisiae*), yield%, crude protein%.

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