

Peran bioinformatika dalam kajian interaksi protein - protein

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Abstrak

Molecular biology is advancing through the protein - protein interaction studies. Its wet experiment has generated a massive amount of data. Bioinformatics was set up for converting those data into useful information. Protein - protein interaction wet experiment was a long and expensive labors. Bioinformatics are here to remedy those labors. Online experiments in protein - protein interaction database are possible.. The available databases are InterPare, ClusPro and PROTORP. InterPare is an open and public database server for protein interaction interface information. ClusPro is an algorithm for filtering docked protein conformations, and rank them. PROTORP is a database that can be used to calculate a series of physical and chemical parameters of the protein interaction sites that contribute to the binding energy of the association. The online databases are useful tools for aiding the wet laboratory protein - protein interaction experiment.