
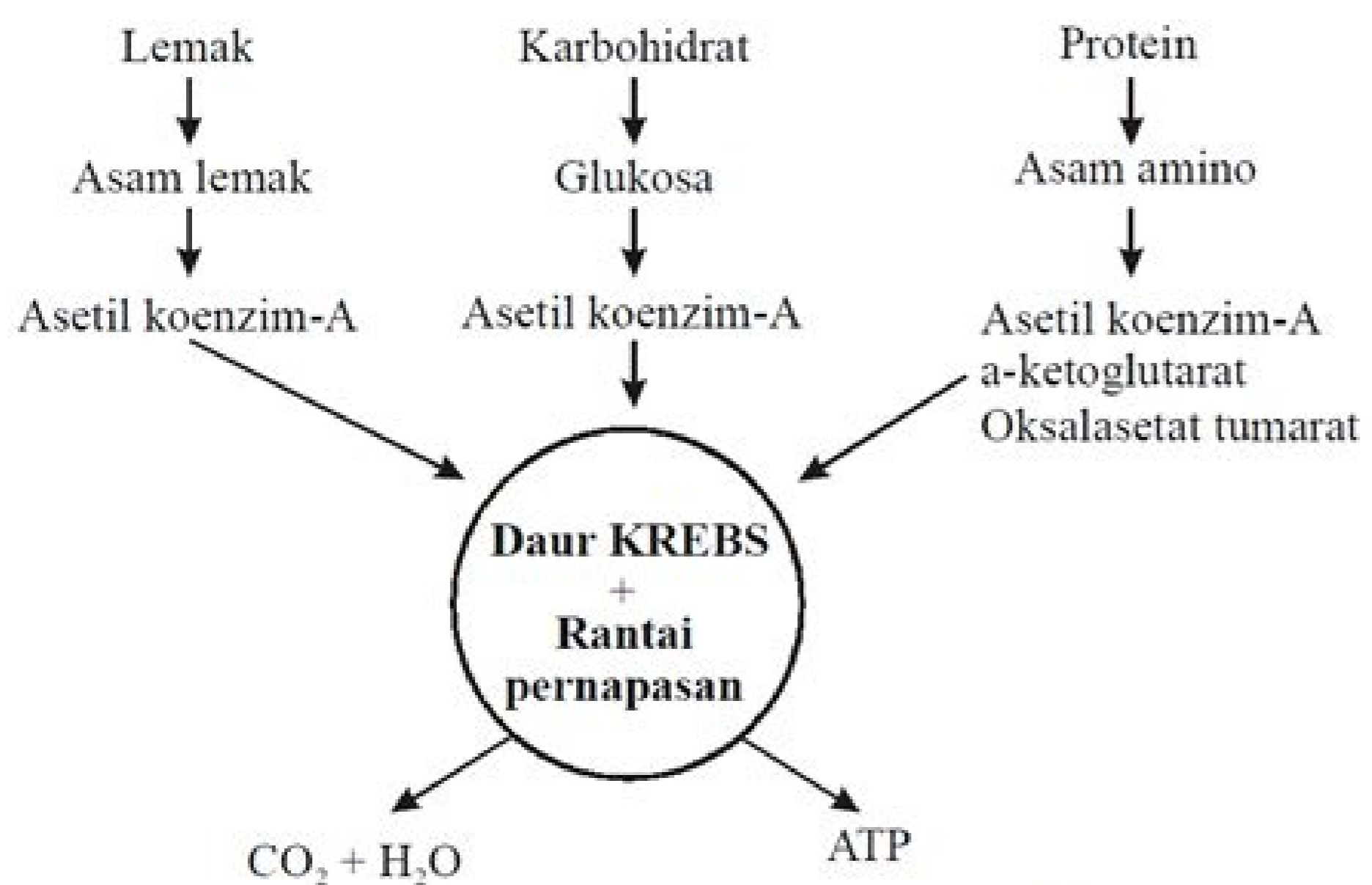


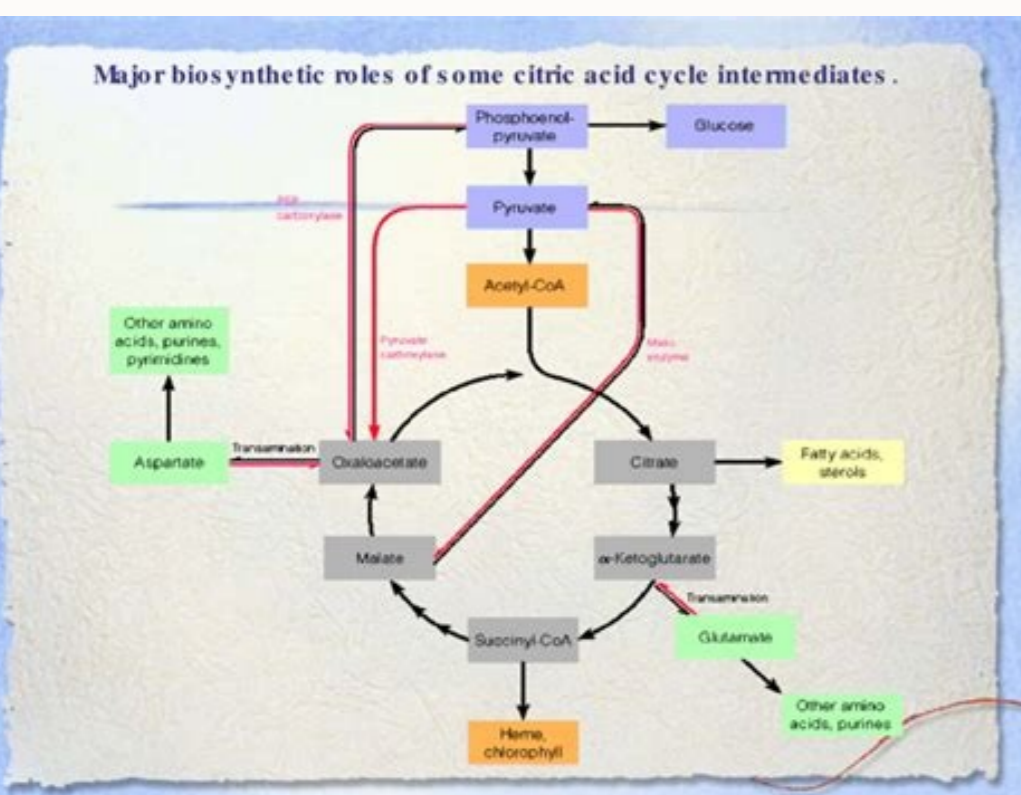
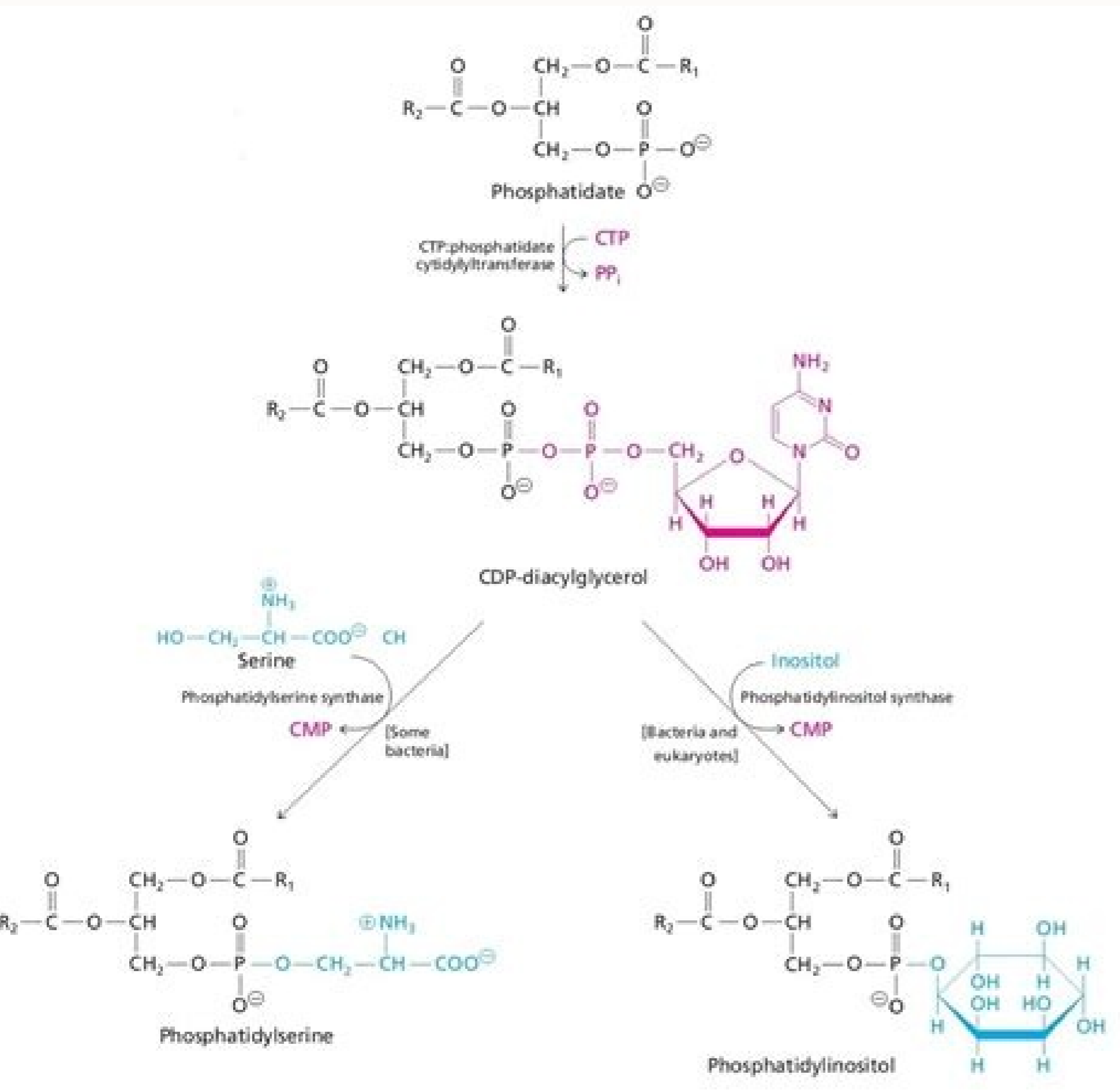
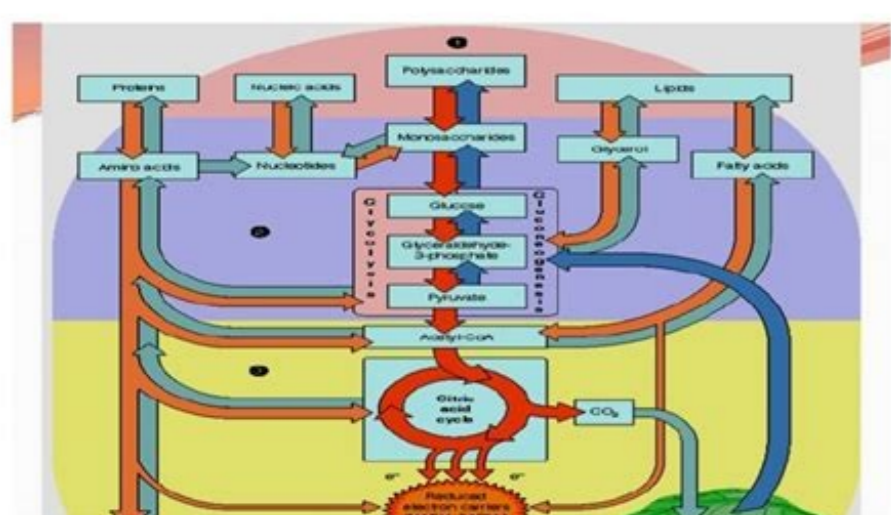
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Sumber: Dok. Penerbit

Gambar 2.4 Diagram yang menunjukkan Siklus Kreb sebagai penghasil energi



Hlmjuesh 1 [[atik refrep nagiraj ek loretselok tuknagnem) Lardla (hadner satined nietorpopil nad atik hubut helo sisetnisid gny adiresilgirt awabmem) LDLV (hadner tagnas satined nietorpopil, hotnco iagabeS) 21 [.awab akereem gny kamel sinej irad kitsiretkarak halada nietorpopil sinej aratna isairavreb gny natapareK .enotsgnivIL lihcruhC: kroY weN; Hgrubdire Kybson / Reivesle: Aehpledihf .hasipret gny lorelsig nad kamel masa tinu idajnem adiresilgirt sisilordih nalayinsnep kutnu bawaj gnuggnatreb gny saerknap esapil halada ini miznE] 11 [sulah susu letipe les malad ek paresid tapad gny udiwdni kamel masa tinu nakapurem gnism-gnism aggnih, tujnal hibel kinakem naanrecep nagned naamsreb] 01 [adiresilgirt hacodem utnabmem kutnu sulah susu ek nakiserkesid) udepmo marag adap gnunagreb gny esapil nad saerknap esapil ilimaf (saerknap irad aimik nahab 653590 -804211-Otne-Verunna / 6411.01: iod kamel Napareynep Halada Dipil Emsilobatem Malad Audek Hakgnal Dipil Napareynep. *Yrtsime hcoiB dipil. tnalP: kroW deweiver ^ ^ A .egelloC tsruhmlE .ruaj iagabreb iulalem emsinagro helo sisetnisid tapad loretselok nad dipil narbmem, Lorelsilgart] 61 [.puhid emsinagro igab amatu igrene rebmus utas halas halada asopida nagiraj malad napmisid gny kamel nanapmynep. Nnkm kamel niales dipil sisetnisob + h 7 + hdan 7 + 2 HDAF 7 + AOCS-OC 3 HC 8 à Á e AOCS-OC 2 HC 7) 2 HC 2 HC (H + O 2h Dan 7 + DAF 7: halada tartbus ledom iagabes) 0: 61 (Aok lotimlap nakanugnem, nahurulesek hisreb iskaer .laugnil esapil helo iwaimik naanrecep iulalem tulum id ialumid kamel naanrecep .sdipiL fo scisyhP dna yrtsimehC.) 3102 (.7675145 / 6102 / 5511.01 : IOD.32à "à e e. Hubut Hurules Ek Sulah Susu Irad Anrecep Gny Kamel Awabmem Gny Nietorpopil Kopmolek-Bus Utas Halas Halada Norkimolik It is synthesized in the heart, but not everything comes from that organ. [1] Lipid catabolism after kilomikron (or another lipoprotein) reaches the network, these particles will be broken down by lipoprotein lipase on the luminal surface of endothelial cells in capillaries to release triglycerides. [14] The triglycerides will be broken down into fatty acids and glycerol before entering the remaining cells and cholesterol will flow through the blood to the heart. [13] In the Cytosol cell (e.g. muscle cells), glycerol will be converted to glyceride 3-phosphate, which is an intermediate in glycolysis, to get more oxidation and produce energy. March 1976. Jstor 2430826? A B "Regulation of metabolism and beyond the lipidic". Archived from the original version on 2019-01-21. Elsevier's integrated review Biochemistry (2nd edition). ISBN 97-90-481-8621-1. ^ a b c "Fatty acid beta-oxidation Acà" A OCS lipid library".

Merck Manuals Consumer Version. Although most different membrane lipids are synthesized in our body, the pathway shares the same path. In the cytosol of epithelial cells, recombinant fatty acids and monoglycerides are triglycerides. Biosynthesis lipid membrane There are two main classes of lipid membranes: glycerophosphipid and sfingolipid. South Dartmouth (MA): mdtext.com, Inc. 2016: 5415767. Phosphatidate PhosphOXASE ACID catalyzes the conversion of phosphatidate acid becomes a base, which will be converted to triacyl citrates by asyltransferase. Cholesterol and cholesterol-binding transport proteins: structure and function in health and disease. Advances in experimental medicine and biology. 55: 207 â–“25. “Summary of lipid metabolism”. Lipid metabolism often begins with hydrolysis, [7] which occurs with the help of various enzymes in the digestive system. [2] Lipid metabolism also occurs in plants, although the process is different compared to animals. [8] O step after hydrolysis is the agriculture absorption ke dalam sel epitel dinding usus.[6] Dalam sel epitel, asam lemak dikemas dan diangkut ke seluruh tubuh.[9] Pencernaan lemak Pencernaan adalah langkah pertama untuk metabolisme lipid, dan langkah itu adalah proses memecah trigliserida menjadi unit monogliserida yang lebih kecil dengan bantuan enzim lipase. May 1972. lipidlibrary.aocs.org. Dordrecht: Springer. PMIDÂ 27293434.Â Â ^ Pelley JW (2012). Lemak ini diperoleh dari mengonsumsi makanan dan menyerapnya atau disintesis lemak hati hewan.[1] Lipogenesis adalah proses mensintesis lemak ini.[2][3] Mayoritas lipid yang ditemukan dalam tubuh manusia dari makanan adalah trigliserida dan kolesterol.[4] Jenis lipid lain yang ditemukan dalam tubuh adalah asam lemak dan lipid membran. 16 (2): 115eAAA22. doi:10.3389/fendo.2016.00030. Fundamentals of Biochemistry: Life at the Molecular Level (edisi ke-Fourth). ISBNÂ 978-0-323-07446-9.Â Â ^ Voet D, Voet JG, Pratt CW (2013). Medical Biochemistry. Â Â Gangguan metabolisme lipid Gangguan metabolisme lipid adalah penyakit di mana masalah terjadi dalam menghancurkan atau mensintesis lemak (atau zat seperti lemak).[19] Gangguan metabolisme lipid dikaitkan dengan peningkatan konsentrasi lipid plasma dalam darah seperti kolesterol LDL, VLDL, dan trigliserida yang paling sering menyebabkan penyakit kardiovaskular.[20] Sebagian besar waktu gangguan ini turun temurun, yang berarti itu adalah kondisi yang diturunkan dari orang tua ke anak melalui gen mereka.[19] Penyakit Gaucher (tipe I, II, dan III), penyakit Niemann-Pick, penyakit Tay-Sachs, dan penyakit Fabry adalah semua penyakit di mana mereka yang menderita dapat memiliki gangguan metabolisme lipid tubuh mereka.[21] Penyakit yang lebih jarang mengenai gangguan metabolisme lipid adalah sitosterolemia, Penyakit Wolman, penyakit Refsum, dan xanthomatosis serebrotendinous.[21] ^ a b c d “Overview of Lipid Metabolism”. Molecular biology (edisi ke-2nd). PMIDÂ 20919643.Â Â ^ a b “The synthesis glicerâides quiraes a partir de D- e L-serina”. Digested cholesterol is not broken down by lipase and remains intact until it enters the epithelial cells of the small intestine. doi:10.1016/0009-3084(76)90003-7. Endotext. Lipidium metabolism is the synthesis and degradation of lipids in cells, which involves the breakdown or storage of fats for energy. Fat absorption only occurs in the small intestine. PMCâ 3069696. Lehniger Principles of Biochemistry (3rd edition). Retrieved 2016-11-01. ^ a b Frefelder D (1987). PMIDÂ 27148161.ü ^ ^ “Uma visâo geral do metabolismo dos esfingolipídios: da sântese â decomposiââââ o”. Boston: Jones e Bartlett. 2016-04-13. O Novo Fitologista. Hoboken, N.J.: Wiley-Liss. Saunders, Elsevier Limited. Livro de cheques virtual. Fatty acids and monoglycerides leave the micelles and diffuse across the membrane to enter intestinal epithelial cells. 2010. Nova York: Worth Publishers. Jornal Internacional de Endocrinologia. De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, ed. ISBNâ 978-1-4557-4580-7.â ^ ^ “Insect fat body: energy, metabolism, and regulation”. 7: 30. Pp.É 121 e122. Biosynthesis of triglycerides occurs in cytosol.[18] The precursor to fatty acid biosynthesis for fatty acids is acetyl CoA and occurs in cytosol cells.[18] The overall net reaction, using palmitate (16:0) as a substrate modelo is: 8 Acetyl-coA+7 ATP+14 NADPH+6H+è palmitate+14 NADP++6H2O+7ADP+7PÂe Cholesterol biosynthesis cholesterol can be made from acetyl-CoA through a several-step pathway known as the isoprenoid pathway. PMIDâ 19725772.ü ^ ^ a b c d e f g Lehninger AL, Nelson DL, Cox MM (2000). However, most of the digestion and absorption of lipids occurs after the fat reaches the small intestine. chemistryexplained.com. OCLCâ 738349533. ^ Harris JR (2010). ISBNâ 978-0-443-02297-5.ü ^ a b “Distârbios do Metabolismo Lipídico”. ISBNÂ 978-0-470-54784-7. 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