

Plagiarism Checker X Originality Report

Similarity Found: 7%

Date: Kamis, April 30, 2020 Statistics: 171 words Plagiarized / 2319 Total words

Remarks: Low Plagiarism Detected - Your Document needs Optional Improvement.

E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 51. ReschAricle AuionnerciaDevsices (. Ramalinggam Rajamanickam 1 Mohd Safri Mohammed Na'aim 2 Tengku Nooru Zainudin 1 Zainunnisaa Abd. Rah 1 Mohd Zamre Mohd Zahir 1 Muhammad Hatta 3 1 Faculty of Law, Universiti Kebangsaan Malaysia (UKM), Malaysia 2 Faculty of Law, Universiti Teknologi MARA (UiTM), Malaysia 3 Department of Criminal Law, Universitas Malikussaleh, Aceh, Indonesia Doi: 1s-0016 Abstract One of the most common forms of evidence used by the Public Prosecutor in a courtroom to prove a case is DNA evidence.

The DNA evidence process started when the police collected the physical evidence relevant to the alleged offence at the cr ime scene. The collected evidence will then usually be sent to the Department of Chemistry Malaysia for DNA analysis. The chemist will extract the DNA from the relevant physical evidence by using specific techniques.

The outcome of the analysis will be used to complete the investigation of the case. Being an independent organization, the Chemistry Department strives to provide impartial forensic science analysis. Thus, from the analysis, sometimes DNA evidence does not necessarily implicate the accused with the alleged offence but may also disclose the involvement of a third party in the alleged offence that may cast doubt on the prosecution's case.

This can be seen in the Federal Court's case of Public Prosecutor v Hanif Basree Abdul Rahman [2008] 4 CLJ 1. The evidence will then be presented by the prosecution before the court to assist judges in making the right decisions. This indicates the important role played by an expert in the court decision making process.

In this context, questions always arise as to the probative value of DNA evidence given by experts in the courtroom. Can the court convict a person solely on DNA evidence? This article focuses on the position of DNA experts in Malaysia under section 45 of the Evidence Act 1950. It was found that although the DNA evidence is given by the experts, the probative value depends on the nature of the evidence itself.

Keywords: DNA evidence; Evidence Act 1950; expert evidence; probative value 1. nroctio DNA ali of he ost ommon vnce esein u dl edi(upta al. 201DNA tands or deoxyribonucleic acid a achcsof etic informati(G24). ng Bck's w ictioy, NA en a of scientific entn d on personunique de la company de la com

he A es collectwilbe ld waof on mtsa mples d y alifid E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 52 experts tDNA ofilof nos(Math26) . cce, ys samplwhic coll tcrime plaa I resolof ases Shal 2011). his s e anal aassist he tauthorities in ntifsvictims, also exong i nnoc(we201Accordito Oxford's ictioy LaDNA ingning a nific techniqin h idividl's genmal is xtra cted cl a e mp le nd Ito duc grap chart that is unier on. Te is use e videdy iil case aneen nlsccessful in bitnd cases (Martin 1994). 2.

aterial an o A litativeaach sufor rearch onsistig dled lof hEnce Act 0, asanschalwrgs Ito haea. h is eseapted conte anaysis ofanaysin DNA-elateprovons nd esto dentifad xami the n DNA ence he ysin Tre levproacain he Malaan dAct 50are ritically naled n er o a oufindg mgg Rajamickamet al. 2015). When ce eeds th trial, tnesses be alled t esty court & 2012).

itnesses be alled tPProsecutor prov e s s asthaceO the her accused call tness give ico urt o roe sinoene. ee, wiplay imrole n inal ustice ystem. n nawines abe atore into wowharwises fact witnesses opini (Nor2007). itof ar wiwhotestifin ourt n tevbased w hat hey bsved,hrd perceived as evidence) embodied s60(1)- of EAct Evidence opinion usually nadmsible,but is ex ceptwhn expert s person gihis on. evis in form n nfee a olin ngm, 2017). he e y od y xperts a c experience, and oftraining 2017). hey e in heir matter the ry people not w.

hus, evidence imto (Ralnam&Aa 0) eaisg himrtac eerts, 45 e ien ct 1950 teto ve vidence court ason he ir ons er pecific ec mattHover, n of he it s portant n te hthcurt an nloith assistance experts tfields ithe T he s e: oreign ascience art; handiting; fingeimpression. one from he fields arnot sted n sectocnnbcld ivevee Rmanga, 1 Tsin rer o lw N xps to esty n y e, hy ut me fom h flprie or section of Evidence ct.

liof handrasekaran Ors PP 1 15p.159 P athmanabhan alliannen P Prosecutor Other

ppeals 7] CLJ p.178, fall nd erte ied scee,tus uc evirelevant court. A idence imto nty person'sidentity 2017). houtit, identification becomes ficult tsome xtent esecly tepreci a o hevdnc(unt 0 0. heefe te osutnce is ainly on evsuch is to ove dise y Despite s relevancy court, t he next ion wheter not the rt is bound by her matter be idered.

his s cause general, evi dence an divided nttwo wharnon-scientific idence sev(Mors ek The wer o questi will be explained belo In he nteof he dmissiy DNA videte to be unod. E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 53 4.1 Relevancy of DNA Evidence Tbasic nipleof on aevenis nlrleant deis issibite No he uesis at tmeang rnt e In alysia, elevence evidthat alls n ambit s6 s55 the Act If DNA evidis eevant der no f provons, suc dewibe itted ytcourt.

Twn prima facie rul DNA ideis eluner wo in ovisiouer Ev ide c195FDNA evid rltidey p's dy d he vide revant n ore h section of he e 1950. econy, snce Aevidenc e provibDexperts after ys samples d a ase he e al so elnt son of h Evide950. In erasecion 5 thEvideA195sets ut ituat ioiwhich e idnce expert opon i admissi he sectiows (1) hen ct tform n iniup poof i gn w of ce art, r as o ntitogenueness hanwritior inger ssi ons, oniouptha poiof ns peciy illein hat oreiglasciec art, in ns t re relevant facts.

(2) ons led epe On he othe ngs tion, he can lobtai n assiof xprin the descrd the Tfields are: I w;siencor handitinand r impressi(ja hammaZ& amangg2Ramalggam et 2Inc experts rom fds are listeitsection a nnbe letgive deT in talloDNA xpt testify ay ase, hem ome tfields ded in section of he e 1950. t rs a that is the y the d DNAis eitlsecifiitsectiT provn, weer, t"scie as e thcies.

enthe uestin aarasto hteeio"ce" the is de nouto over In ing ans were be to he case Chadrasek& v [1971] M15p.159, er he hett express'scior is lastic ougto given lib erainterpretaion and fact hat he section es ot pecifpartifielof wlge es t that hearnot ed Tapproachwas tFCourt Pathman an iaen Public Prosecutor A 4 137 8 ere cou rt asizethe wi "With respect, such argument ignores the point t hat DNA evidence is admissible under s.45, s.46 and s.51 of the EA. It is basically opinion evidence of an expert ."

Tdecision indicates the ederChelthatDNA encfalls nder ection 5 the ence and therefore assible iRamalggam 7). 4.2 Is the Court Bound by Expert Evidence? In al, court not lito olw evinc e tmerel it help t right ioTprinciple be n n number . irstly,tcase Rajaal Publtor [1977] 1 ML 6 p.7, in icederCourt stated: As halry id, led dgin act at at ngth his umminp h the nce f Mahadeva t end whiche ected the y hat he was y expressaopin icty re bouto olloas h e olquestioof eththe accusewas ane insettime the oof e a estiwhh thealot decide. Tsame cwa happd tFl urt ase f onSe n ubli Prosecutor [192 pp.

213- 2whe the cour d: DWwacaled an xpwitnOstem jde e ngeny speakrit he inat of ute o xpSq sense a y. are solvbteconventiol sdom a dge ane. n course edatindisd ons, ids thform e xpoons in oprie E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 54 cases pld bies or jes. Ty,ithe of ulasngam hamblai(97) M 28tKualLCour of ppeaexpled "expert witnesses can give his opinion but the court is free to make his own conclusions."

FourthIthcof w ocietof ndi Fertilizer d mTore IR 199Ker p.367 ecidthat he had ogatito bliny ccept he rt n. Tswstt court fto oons xpresed in he ocings y n o an issu Tissue s elab iPIProsecutor [200 7] 367, ere numbof I plccernithe dof xperev idencwerlaid obthe Among the y expert tesis o tc decsinthe xp witdnot ake dettas decision-g s respoilito he expert ide tasstcoin jent nd ob ligy o ollw;aimng decisitjushd luate the ideof the nesses, lug he xpertwitns evid Based thabovoncasit lear hthecourt is bd y epert opin edng n iTsituation o ho h at he mate on an e lies h hjuinsteof he xhiwhgivhis ini his emizedb Lord plin he of v [968] Q77 t nce texpwitn shoube ssed evidecfrom nesslis a oto ata must expert evinc 4.3

Can the Court Simply Disregard Expert Evidence? Tnext porquestiiswher nthe casim pldsregd eevdencas it not oubtepert vnce. his sdiscdthe case R Anders[11 B 304, ere hceaied " it would be equally a misdirection to tell a jury that it could disregard expert evidence which had been given by only one witness and which, if accepted, dictated one answer."

In his it clear hat gh judare o gto ccept he ence presebaexpert es he shoulnot g such ideTcourt f its o ini is of the expert's evnce. 4.4 Status of Scientific Expert Evidence If expert nce sciein at tpos itioof uch e cT princie uliniMysiin hcof ong weC hin PuPecutor[1981] MLJ 212, in ich Judaja Azlan Sha But, onpurelsciic expevidencis o be by hcfor purpof sisting er han ellg he ion the mate gmenIn he udor y, icis qut ial the nce nd ne probiliti.It t r tto he wit court must come to its own pinion. Tabove tation arlsws whethe befth e ge sscientific n then evince en y he xpcanbe egarb he ut.

he is ompell to teert enc DNA it orms part scie ntific ideTcourt y nl disretevid DNA xperts eperts e qued t e uttal experts n issT orit n gellinter prthexpert idce an e dividiti.e. eevide scie ideFthe expet e is oigatorto ow ut y o lp he in a ing ioWiro the tcourt c lto scientific denc e dinDNunless expare not quaed an here are rx ts on the same iss ue. E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 55 4.5

The Probative Value of DNA Evidence in Malaysia Althouthe NA nce s ven y h erts, probative e enon nature the nce sDNA is d the y prob ay. evid b treated cnclusivevnce

nd nnbe ed na rimin ae tsoe f convicti(RajGupta 7). Tiwel ed t ase Pai ub asiv State of Gujarat, 2009 Cr i. L.J. 2888 (Guj.). Tevidence tDNA is t orm opinioT DNA erts onio evidon he dinbon anaysis ndit abory. Ts cy illustratisc 4 of Evide A1 whe pr ovisius he iniof s as the heng Fthe ative e texpert nce sdis cussin cases.

cutor v Samee DMuthu K whe cot ed at is rite w hexperts o ot de, he mate isioi h judEencof he xsis y inilt not o usivTexpert pinn ld e of a orrobtive e to the aslf expopin contradan peacblee witness y enc e, heniwilnot uppe haniret evidenc Since evdencis nas expert nioit neither oie has hig probvae. he p ivvalof xpert pion n is oas is giveba witof acts.

other ralthoh hDNA ene the sed s ndfrom he crime e boy thvictim, dosnot eatht e edwod utomay e guiltDNA ie uld bywe te deof winesses anIn wotmere o evidencaloncanntlink to he (Moh Munzil 10). other dee es ot uor in onfl ict h heDNA idee, hen e DNA enc e not ufficientlsg cthe cused. his discussin he case PublicPv BasreAl an[4 CLJ where court d acquitted the accused from the offence charged.

One of the grou nds for the acqwa Taccused's fnd n ircu mstanctmy ave siof is ilt s enoh prove guilt. there reasble xn to y is was ound n those circumsten ust be givd st be acnd dced. Tcindithat hediscoverof accus pro filon daed's bod per se conbe cient o lde he adcaused er a th.

his bethe accusehexpled at Dwa thedecasedby ue sxuaie beten she ed. he most nt ence gai st he ecutio the preseof man h fuboy dourinthe partmentand he NA t"UwnMle recover the bodof the decd, ainunch enTn's attempt to tmn tfol dour h ed s enid y oritta's nt partner, Ham pros ecutio ess o hat he d d such bododHtwaa easona ooof he stof er nwho uld have committed the offence on the night of the incident. In expertevideplys importanto lote court mthe ds(Pa & ng 1Eevence an ney divi t evidanscientific den .

or entific enc the is oblid folloth opin thultimate ioaissu wittj e ead fteHwevif the deiscientific nat ure, hthevie ovid d y he cnnsimplb disreed ytcourt the decns ic ation is yont common oedganeeiencof judTcourt obli d acept evid, inclung e is part scientific e e ss expert not ified d/or there retal xperts n same ue.Hoer, is portatnotDNA ideis baseon e y pra y.

evie not trea teas onclevie E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 56 must also be viweght of other evide to determint guid. Tris bUniversKebaaMalaa UKM) hrougresearcgrant GGPM-2017-0 Books/ Articles America. Forensic sciences research, 2 BO rep627, th cedia

Environmental Sciences, 303. Morsek ,) on fr Ride Your ife-The 3L Journal of Language Teaching, Linguistics and Literature, 13.

- Behavioral sciences & the law , 30 (6), 80. Case law 88). E-ISSN 2281-4612 ISSN 2281-3993 Academic Journal of Interdisciplinary Studies Vol 8 No 2 July 2019 57 161. Dictionary th Oxford.

INTERNET SOURCES:

5% - https://www.mcser.org/journal/index.php/ajis/article/view/10456 1% -

https://www.researchgate.net/publication/307565735_Reliability_and_Conclusiveness_of _DNA_Evidence_in_Criminal_Trial <1% -

https://www.theguardian.com/law/2018/jan/15/london-rape-trial-collapses-after-phone-images-undermine-case

1% -

https://www.researchgate.net/publication/324133884_Impact_of_Artisanal_Gold_Mining_on_Human_Health_and_the_Environment_in_the_Batouri_Gold_District_East_Cameroon <1% -

https://www.researchgate.net/publication/312418016_The_Impact_of_Social_Media_on_ Higher_Education_in_Kosovo_The_Student's_Perspective

1% - https://www.texilajournal.com/public-health/edition/49-volume4-issue4